

4. Tentukan nilai x yang akan digunakan

Jika $x > x_b$; Kolom ditinjau terhadap kegagalan akibat desak

Jika $x < x_b$; Kolom ditinjau terhadap kegagalan akibat tarik.

Syarat kegagalan :

- Akibat desak

$$M_n < M_{nb} ; e < e_b ; P_n > P_{nb} \dots\dots\dots(3.4.19)$$

- Akibat tarik

$$M_n < M_{nb} ; e < e_b ; P_n < P_{nb} \dots\dots\dots(3.4.20)$$

Kemudian dihitung

$$A = \beta_1 x \dots\dots\dots(3.4.21)$$

$$f_s' = \frac{x - d'}{x} \cdot 600 \dots\dots\dots(3.4.22)$$

jika $f_s' > f_y ; f_s' = f_y$

$$C_{cb} = 0,85 \cdot f_c \cdot b \cdot (x_b \cdot \beta_1) \dots\dots\dots(3.4.23)$$

$$C_{cb} = A_s' \cdot (f_s' - 0,85 \cdot f_c) \dots\dots\dots(3.4.24)$$

$$T_b = A_s \cdot f_y \dots\dots\dots(3.4.25)$$

$$P_{nb} = C_{cb} + C_{sb} - T_b \dots\dots\dots(3.4.25) \dots\dots\dots(3.4.26)$$

$$M_{nb} = C_{cb} \left(\bar{y} - \frac{a}{2} \right) + C_{sb}(\bar{y} - d) + T_b(d - \bar{y}) \dots\dots\dots(3.4.27)$$

$$e_b = \frac{M_{nb}}{P_{nb}} \dots\dots\dots(3.4.28)$$

dimana :

M_{nb} = Kapasitas lentur kolom dalam keadaan seimbang (Nmm)

Gaya geser horizontal V_{jh} ini di tahan oleh dua (2) mekanisme kuat geser inti, yaitu :

- Serat beton diagonal yang melewati daerah tekan ujung join yang memikul gaya geser V_{ch}
- Mekanisme panel rangka yang terdiri dari sengkang horizontal dan serat beton diagonal daerah tarik join yang memikul gaya geser V_{sh}

$$\text{Sehingga : } V_{sh} + V_{ch} = V_{jh} \quad \dots\dots\dots(3.6.20)$$

Besarnya V_{ch} yang dipikul oleh serat beton harus sama dengan nol, kecuali bila :

1. Tegangan tekan minimal rata-rata, minimal pada penampang bruto diatas join, termasuk tegangan prategang (apabila ada), melebihi nilai $0,1 f'_c$ maka :

$$V_{ch} = 2/3 \sqrt{\frac{(N_{uk})}{B} - 0,1, f'_c b_j, h} \quad \dots\dots\dots(3.6.21)$$

2. Balok diberi gaya prategang yang melewati join, maka :

$$V_{ch} = 0,7 \cdot P_{cs} \quad \dots\dots\dots(3.6.22)$$

Dengan P_{cs} adalah gaya permanen gaya prategang yang terletak di sepertiga bagian tengah tinggi kolom.

3. Seluruh balok pada join dirancang sehingga penampang kritis dari sendi plastis terletak pada jarak yang lebih kecil dari tinggi penampang balok diukur dari muka kolom, maka

$$V_{ch} = 0,5 \frac{A_s'}{A_s} V_{jh} \left(1 + \frac{N_{u,k}}{0,4 \cdot A_g \cdot f'_c} \right) \quad \dots\dots\dots(3.6.23)$$

Dimana rasio A_s'/A_s tidak boleh lebih besar dari satu (1)

2) Lantai 4

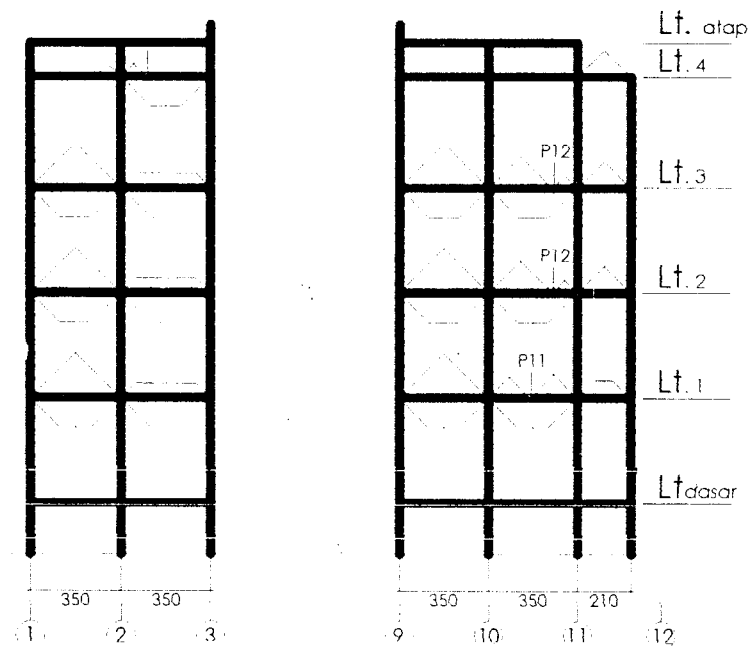
➤ Beban terpusat

Terbagi atas : akibat beban mati (PD) dan beban hidup (PL), jadi :

$$PaD2 = \frac{1}{2} qD \times L = \frac{1}{2} \times 4,31 \times 1,42 = 3,06 \text{ kN}$$

$$PaL2 = \frac{1}{2} qL \times L = \frac{1}{2} \times 1,043 \times 1,42 = 0,741 \text{ kN}$$

N. Portal As 6 – 6



1) Lantai I

➤ Beban merata

Bentang 1-2

$$\text{Plat lantai (QD)} = 1,15 \times 4,88 = 5,61 \text{ kN/m (trapesium)}$$

$$\text{Plat lantai (QL)} = 1,15 \times 2,50 = 2,88 \text{ kN/m (trapesium)}$$

$$\text{Plat lantai (QD)} = 1,75 \times 4,88 = 8,54 \text{ kN/m (segitiga)}$$

$$\text{Plat lantai (QL)} = 1,75 \times 2,50 = 4,36 \text{ kN/m (segitiga)}$$

$$A_{st} = 3200 \text{ mm}^2$$

$$X_b = \frac{600 \cdot d}{600 + f_y} = \frac{600 \cdot (800 - 60)}{600 + 400} = 444 \text{ mm}$$

$$a = \beta_1 \times X_b = 0,85 \times 444 = 377,4 \text{ mm}$$

$$f_s' = 600 \times \frac{(X_b - d')}{X_b} = 600 \times \frac{(444 - 60)}{444}$$

$$= 518,92 \text{ Mpa} > f_y = 400 \text{ Mpa},$$

dengan demikian digunakan $f_s' = f_y = 400 \text{ Mpa}$

$$C_{cb} = 0,85 \times f_c' \times b \times a_b = (0,85 \times 22,5 \times 400 \times 377,4) \times 10^{-3} = 2887,1 \text{ kN}$$

$$C_{sb} = A_s' (f_s' - 0,85 f_c') = (1600 (400 - 0,85 \times 22,5)) \times 10^{-3} = 609,4 \text{ kN}$$

$$T_{sb} = A_s \times f_y = (1600 \times 400) \times 10^{-3} = 640 \text{ kN}$$

$$P_{nb} = C_{cb} + C_{sb} - T_{sb} = 2887,1 + 609,4 - 640$$

$$= 2856,51 \text{ kN}$$

$$M_{nb} = C_{cb} \left[\frac{h}{2} - \frac{a_b}{2} \right] + C_{sb} \left(\frac{h}{2} - d' \right) + T_{sb} \left(d - \frac{h}{2} \right)$$

$$= 2848,1 \left(\frac{800}{2} - \frac{377,4}{2} \right) + 609,4 \left(\frac{800}{2} - 60 \right) + \left(740 - \frac{800}{2} \right) 640$$

$$= 1034,84 \text{ kN m}$$

$$e_b = \frac{M_{nb}}{P_{nb}} = \frac{1034,84}{2856,51} = 0,36 \text{ m}$$

Patah Desak (syarat $X > X_b$)

Misal X diambil = $1,2 X_b$ mm

$$f_c' = 22,5 \text{ Mpa}$$

$$f_y = 400 \text{ Mpa}$$

$$d = (800 - 60) = 740 \text{ mm}$$

b. Penulangan Geser Horizontal

Dari nilai :

$$V_{sh,y} = 839,48 \text{ kN}$$

$$V_{sh,x} = 99,35 \text{ kN}$$

Maka,

$$V_{sh, maks} = V_{sh,y} = 839,48 \text{ kN}$$

$$A_{jh} = \frac{V_{sh, maks}}{f_y} = \frac{839,48 \cdot 10^3}{400} = 2098,7 \text{ mm}^2$$

Digunakan sengkang P12 dengan $A_v = 2 \cdot \frac{1}{4} \cdot \pi \cdot 12^2 = 226,19 \text{ mm}^2$

$$\text{Jumlah lapis sengkang} = \frac{2098,7}{226,19} = 9,27 \text{ lapis} \rightarrow \text{d disesuaikan} = 10$$

Digunakan sengkang 10P12

$$S \leq 2h = 2 \cdot 500 = 1000 \text{ mm}$$

$$S \leq 250 \text{ mm}$$

→ dipakai tulangan Pokok : D19 – 160 mm

$$A_{S_{\text{ada}}} = \frac{A_{1\phi} 1000}{S} = \frac{283,529 \cdot 1000}{160} = 1772,056 \text{ mm}^2$$

• Kontrol kapasitas lentur yang terjadi :

$$a = \frac{A_{S_{\text{ada}}} \cdot f_y}{0,85 \cdot f'_{c,b}} = \frac{1772,056 \cdot 400}{0,85 \cdot 25 \cdot 1000} = 33,356 \text{ mm}$$

$$\begin{aligned} M_n &= A_{S_{\text{ada}}} \cdot f_y \cdot \left(d - \frac{a}{2} \right) \\ &= 1772,056 \times 400 \left(415,5 - \frac{33,356}{2} \right) \cdot 10^{-6} \\ &= 282,693 \text{ kN m} \geq \frac{M_u}{\phi} = 277,409 \text{ kN m} \dots\dots\dots\text{OK!} \end{aligned}$$

• Perencanaan tulangan susut Pondasi

$$A_{S_{\text{tul susut}}} = 0,002 \cdot b \cdot h = 0,002 \times 1000 \times 500 = 1000 \text{ mm}^2$$

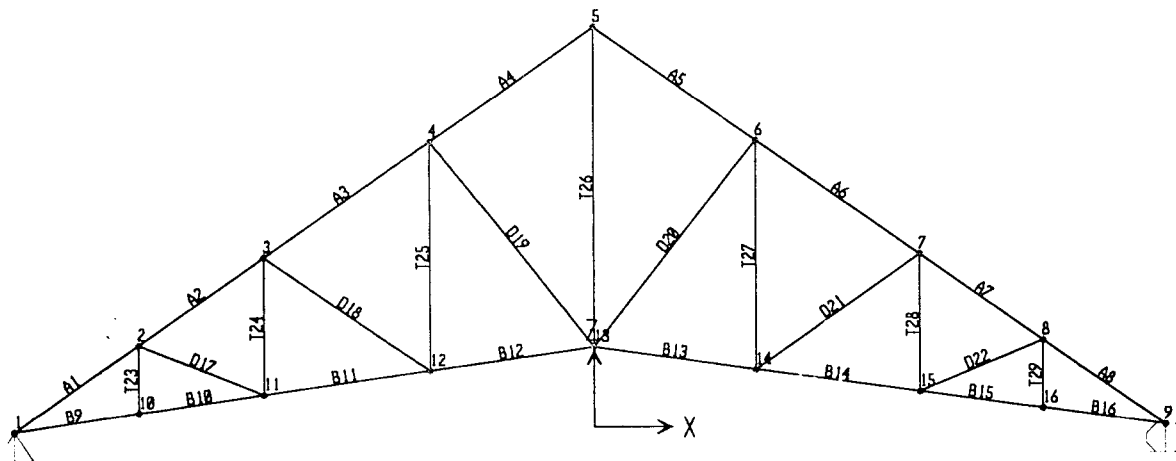
Digunakan tulangan bagi Ø12 mm, maka $A_{1\phi} = 113,097 \text{ mm}^2$

$$S \leq \frac{A_{1\phi} \cdot b}{A_{S_{\text{susut}}}} = \frac{113,097 \cdot 1000}{1000} = 113,097 \text{ mm}$$

→ dipakai tulangan susut P12 – 110 mm

Lampiran

1



JOINT	GLOBAL_X	GLOBAL_Y	GLOBAL_Z	REST	REST	REST	REST	REST	REST	LOCA	LOCA	LOCA
				RAINT	RAINT	RAINT	RAINT	RAINT	RAINT	L_AN	L_AN	L_AN
				U1	U2	U3	R1	R2	R3	G A	G B	G C
1	-7.050	0	0.000	Y	Y	Y				0	0	0
2	-5.537	0	1.059							0	0	0
3	-4.025	0	2.118							0	0	0
4	-2.013	0	3.527							0	0	0
5	0.000	0	4.936							0	0	0
6	2.013	0	3.527							0	0	0
7	4.025	0	2.118							0	0	0
8	5.537	0	1.059							0	0	0
9	7.050	0	0.000			Y				0	0	0
10	-5.537	0	0.214							0	0	0
11	-4.025	0	0.428							0	0	0
12	-2.013	0	0.713							0	0	0
13	0.000	0	1.000							0	0	0
14	2.013	0	0.713							0	0	0
15	4.025	0	0.428							0	0	0
16	5.537	0	0.214							0	0	0

FRAME	JOINT_I	JOINT_J	SECTION	LOC	REL	REL	REL	REL	REL	REL	SEG	IOFF	JOF	RIGI	LENGTH	
				AL_A	EAS	EAS	EAS	EAS	EAS	MEN	FSE	D_F				
				NG	E	P	E	V2	E	V3	E	T	E	M	E	M
A1	1	2	2LX50X5	0						IJ	2	0	0	0	1.846	
A2	2	3	2LX50X5	0						IJ	2	0	0	0	1.846	
A3	3	4	2LX50X5	0						IJ	2	0	0	0	2.457	
A4	4	5	2LX50X5	0						IJ	2	0	0	0	2.457	
A5	5	6	2LX50X5	0						IJ	2	0	0	0	2.457	
A6	6	7	2LX50X5	0						IJ	2	0	0	0	2.457	
A7	7	8	2LX50X5	0						IJ	2	0	0	0	1.846	
A8	8	9	2LX50X5	0						IJ	2	0	0	0	1.846	
B9	10	1	2LX50X5	0						IJ	2	0	0	0	1.528	
B10	11	10	2LX50X5	0						IJ	2	0	0	0	1.528	
B11	12	11	2LX50X5	0						IJ	2	0	0	0	2.033	
B12	13	12	2LX50X5	0						IJ	2	0	0	0	2.033	
B13	14	13	2LX50X5	0						IJ	2	0	0	0	2.033	
B14	15	14	2LX50X5	0						IJ	2	0	0	0	2.033	
B15	16	15	2LX50X5	0						IJ	2	0	0	0	1.528	
B16	9	16	2LX50X5	0						IJ	2	0	0	0	1.528	
D17	2	11	2LX50X5	0						IJ	2	0	0	0	1.639	
D18	3	12	2LX50X5	0						IJ	2	0	0	0	2.454	
D19	4	13	2LX50X5	0						IJ	2	0	0	0	3.230	
D20	13	6	2LX50X5	0						IJ	2	0	0	0	3.230	
D21	14	7	2LX50X5	0						IJ	2	0	0	0	2.454	
D22	15	8	2LX50X5	0						IJ	2	0	0	0	1.639	
T23	2	10	2LX50X5	0						IJ	2	0	0	0	0.845	
T24	3	11	2LX50X5	0						IJ	2	0	0	0	1.690	
T25	4	12	2LX50X5	0						IJ	2	0	0	0	2.814	
T26	5	13	2LX50X5	0						IJ	2	0	0	0	3.936	
T27	6	14	2LX50X5	0						IJ	2	0	0	0	2.814	
T28	7	15	2LX50X5	0						IJ	2	0	0	0	1.690	
T29	8	16	2LX50X5	0						IJ	2	0	0	0	0.845	

LOAD	JOINT	FX	FY	FZ	MX	MY	MZ
D	1	0	0	-0.2264	0	0	0
D	9	0	0	-0.2264	0	0	0
D	2	0	0	-0.34029999	0	0	0
D	8	0	0	-0.34029999	0	0	0
D	3	0	0	-0.39379999	0	0	0
D	7	0	0	-0.39379999	0	0	0
D	5	0	0	-0.44729999	0	0	0
D	4	0	0	-0.44729999	0	0	0
D	6	0	0	-0.44729999	0	0	0
D	10	0	0	-0.0953	0	0	0
D	16	0	0	-0.0953	0	0	0
D	11	0	0	-0.111	0	0	0
D	15	0	0	-0.111	0	0	0
D	13	0	0	-0.1267	0	0	0
D	12	0	0	-0.1267	0	0	0
D	14	0	0	-0.1267	0	0	0
L	5	0	0	-0.1719	0	0	0
L	4	0	0	-0.1719	0	0	0
L	6	0	0	-0.1719	0	0	0
L	3	0	0	-0.1506	0	0	0
L	7	0	0	-0.1506	0	0	0
L	2	0	0	-0.1292	0	0	0
L	8	0	0	-0.1292	0	0	0
L	1	0	0	-0.0646	0	0	0
L	9	0	0	-0.0646	0	0	0
WKI	1	0.0198	0	-0.0113	0	0	0
WKI	2	0.0396	0	-0.0227	0	0	0
WKI	3	0.0462	0	-0.0265	0	0	0
WKI	4	0.0528	0	-0.0301	0	0	0
WKI	5	0.0616	0	0.00505	0	0	0
WKI	9	0.0264	0	0.0151	0	0	0
WKI	8	0.052900001	0	0.030300001	0	0	0
WKI	7	0.0616	0	0.035300002	0	0	0
WKI	6	0.0704	0	0.040399998	0	0	0

FRAME	LOAD	STATION	P	V2	V3	T	M2	M3
A1	D	0.000	-4.4075	-0.00564	1.43E-18	0	-1.568E-19	0
A1	D	0.923	-4.4035	4.6E-19	7.46E-19	0	-1.161E-18	0.0026032
A1	D	1.846	-4.3996	0.00564	6.3E-20	0	-1.534E-18	-1.006E-18
A1	L	0.000	-1.1748	0	2.39E-19	0	-4.664E-20	0
A1	L	0.923	-1.1748	0	2.39E-19	0	-2.675E-19	0
A1	L	1.846	-1.1748	0	2.39E-19	0	-4.884E-19	0
A1	WKI	0.000	-0.0335	0	7.95E-20	0	3.901E-21	0
A1	WKI	0.923	-0.0335	0	7.95E-20	0	-6.951E-20	0
A1	WKI	1.846	-0.0335	0	7.95E-20	0	-1.429E-19	0
A1	WKA	0.000	0.0335	0	-7.95E-20	0	-3.901E-21	0
A1	WKA	0.923	0.0335	0	-7.95E-20	0	6.951E-20	0
A1	WKA	1.846	0.0335	0	-7.95E-20	0	1.429E-19	0
A1	TETAP1	0.000	-6.1705	-0.007895	2E-18	0	-2.195E-19	0
A1	TETAP1	0.923	-6.1649	6.44E-19	1.04E-18	0	-1.625E-18	0.0036445
A1	TETAP1	1.846	-6.1594	0.007895	8.83E-20	0	-2.148E-18	-1.409E-18
A1	TETAP2	0.000	-7.1687	-0.006768	2.1E-18	0	-2.628E-19	0
A1	TETAP2	0.923	-7.1639	5.52E-19	1.28E-18	0	-1.821E-18	0.0031239
A1	TETAP2	1.846	-7.1592	0.006768	4.58E-19	0	-2.622E-18	-1.207E-18
A2	D	0.000	-3.8905	-0.00564	-4.97E-20	0	-1.04E-18	0
A2	D	0.923	-3.8866	4.6E-19	-7.33E-19	0	-6.788E-19	0.0026032
A2	D	1.846	-3.8826	0.00564	-1.42E-18	0	3.129E-19	-1.006E-18
A2	L	0.000	-1.0336	0	-1.48E-19	0	-3.035E-19	0
A2	L	0.923	-1.0336	0	-1.48E-19	0	-1.665E-19	0
A2	L	1.846	-1.0336	0	-1.48E-19	0	-2.964E-20	0
A2	WKI	0.000	-0.0268	0	-3.12E-20	0	-7.19E-20	0
A2	WKI	0.923	-0.0268	0	-3.12E-20	0	-4.308E-20	0
A2	WKI	1.846	-0.0268	0	-3.12E-20	0	-1.425E-20	0
A2	WKA	0.000	0.0268	0	3.12E-20	0	7.19E-20	0
A2	WKA	0.923	0.0268	0	3.12E-20	0	4.308E-20	0
A2	WKA	1.846	0.0268	0	3.12E-20	0	1.425E-20	0
A2	TETAP1	0.000	-5.4467	-0.007895	-6.96E-20	0	-1.456E-18	0
A2	TETAP1	0.923	-5.4412	6.44E-19	-1.03E-18	0	-9.503E-19	0.0036445
A2	TETAP1	1.846	-5.4357	0.007895	-1.98E-18	0	4.38E-19	-1.409E-18
A2	TETAP2	0.000	-6.3225	-0.006768	-2.97E-19	0	-1.734E-18	0
A2	TETAP2	0.923	-6.3177	5.52E-19	-1.12E-18	0	-1.081E-18	0.0031239
A2	TETAP2	1.846	-6.3130	0.006768	-1.94E-18	0	3.28E-19	-1.207E-18
A3	D	0.000	-3.1950	-0.007504	7.86E-19	0	-7.311E-20	0
A3	D	1.228	-3.1898	2.07E-21	-1.23E-19	0	-4.799E-19	0.0046087
A3	D	2.457	-3.1845	0.007504	-1.03E-18	0	2.296E-19	3.109E-19
A3	L	0.000	-0.8459	0	1.81E-20	0	-5.317E-20	0
A3	L	1.228	-0.8459	0	1.81E-20	0	-7.536E-20	0
A3	L	2.457	-0.8459	0	1.81E-20	0	-9.755E-20	0
A3	WKI	0.000	-0.0098	0	-1.32E-21	0	-1.464E-20	0
A3	WKI	1.228	-0.0098	0	-1.32E-21	0	-1.302E-20	0
A3	WKI	2.457	-0.0098	0	-1.32E-21	0	-1.14E-20	0
A3	WKA	0.000	0.0098	0	1.32E-21	0	1.464E-20	0
A3	WKA	1.228	0.0098	0	1.32E-21	0	1.302E-20	0
A3	WKA	2.457	0.0098	0	1.32E-21	0	1.14E-20	0
A3	TETAP1	0.000	-4.4731	-0.010505	1.1E-18	0	-1.023E-19	0
A3	TETAP1	1.228	-4.4657	2.9E-21	-1.72E-19	0	-6.719E-19	0.0064522
A3	TETAP1	2.457	-4.4583	0.010505	-1.44E-18	0	3.214E-19	4.353E-19

A3	TETAP2	0.000	-5.1874	-0.009005	9.72E-19	0	-1.728E-19	0
A3	TETAP2	1.228	-5.1811	2.49E-21	-1.19E-19	0	-6.965E-19	0.0055305
A3	TETAP2	2.457	-5.1748	0.009005	-1.21E-18	0	1.194E-19	3.731E-19
A4	D	0.000	-2.4920	-0.007504	1.84E-19	0	-5.725E-19	0
A4	D	1.228	-2.4868	1.04E-18	-7.24E-19	0	-2.409E-19	0.0046087
A4	D	2.457	-2.4815	0.007504	-1.63E-18	0	1.207E-18	-1.703E-18
A4	L	0.000	-0.6584	0	-1.62E-19	0	-2.039E-19	0
A4	L	1.228	-0.6584	0	-1.62E-19	0	-5.344E-21	0
A4	L	2.457	-0.6584	0	-1.62E-19	0	1.932E-19	0
A4	WKI	0.000	-0.0011	0	-1.47E-20	0	-2.389E-20	0
A4	WKI	1.228	-0.0011	0	-1.47E-20	0	-5.824E-21	0
A4	WKI	2.457	-0.0011	0	-1.47E-20	0	1.224E-20	0
A4	WKA	0.000	0.0011	0	1.47E-20	0	2.389E-20	0
A4	WKA	1.228	0.0011	0	1.47E-20	0	5.824E-21	0
A4	WKA	2.457	0.0011	0	1.47E-20	0	-1.224E-20	0
A4	TETAP1	0.000	-3.4888	-0.010505	2.58E-19	0	-8.015E-19	0
A4	TETAP1	1.228	-3.4815	1.45E-18	-1.01E-18	0	-3.372E-19	0.0064522
A4	TETAP1	2.457	-3.4741	0.010505	-2.29E-18	0	1.69E-18	-2.384E-18
A4	TETAP2	0.000	-4.0439	-0.009005	-3.73E-20	0	-1.013E-18	0
A4	TETAP2	1.228	-4.0376	1.24E-18	-1.13E-18	0	-2.976E-19	0.0055305
A4	TETAP2	2.457	-4.0312	0.009005	-2.22E-18	0	1.758E-18	-2.043E-18
A5	D	0.000	-2.4815	-0.007504	1.63E-18	0	1.207E-18	0
A5	D	1.228	-2.4868	1.04E-18	7.24E-19	0	-2.409E-19	0.0046087
A5	D	2.457	-2.4920	0.007504	-1.84E-19	0	-5.725E-19	-1.703E-18
A5	L	0.000	-0.6584	0	1.62E-19	0	1.932E-19	0
A5	L	1.228	-0.6584	0	1.62E-19	0	-5.344E-21	0
A5	L	2.457	-0.6584	0	1.62E-19	0	-2.039E-19	0
A5	WKI	0.000	-0.0763	0	9.66E-21	0	1.224E-20	0
A5	WKI	1.228	-0.0763	0	9.66E-21	0	3.8E-22	0
A5	WKI	2.457	-0.0763	0	9.66E-21	0	-1.148E-20	0
A5	WKA	0.000	0.0763	0	-9.66E-21	0	-1.224E-20	0
A5	WKA	1.228	0.0763	0	-9.66E-21	0	-3.8E-22	0
A5	WKA	2.457	0.0763	0	-9.66E-21	0	1.148E-20	0
A5	TETAP1	0.000	-3.4741	-0.010505	2.29E-18	0	1.69E-18	0
A5	TETAP1	1.228	-3.4815	1.45E-18	1.01E-18	0	-3.372E-19	0.0064522
A5	TETAP1	2.457	-3.4888	0.010505	-2.58E-19	0	-8.015E-19	-2.384E-18
A5	TETAP2	0.000	-4.0312	-0.009005	2.22E-18	0	1.758E-18	0
A5	TETAP2	1.228	-4.0376	1.24E-18	1.13E-18	0	-2.976E-19	0.0055305
A5	TETAP2	2.457	-4.0439	0.009005	3.73E-20	0	-1.013E-18	-2.043E-18
A6	D	0.000	-3.1845	-0.007504	1.03E-18	0	2.296E-19	0
A6	D	1.228	-3.1898	2.07E-21	1.23E-19	0	-4.799E-19	0.0046087
A6	D	2.457	-3.1950	0.007504	-7.86E-19	0	-7.311E-20	3.109E-19
A6	L	0.000	-0.8459	0	-1.81E-20	0	-9.755E-20	0
A6	L	1.228	-0.8459	0	-1.81E-20	0	-7.536E-20	0
A6	L	2.457	-0.8459	0	-1.81E-20	0	-5.317E-20	0
A6	WKI	0.000	-0.0642	0	-1.45E-20	0	-2.263E-20	0
A6	WKI	1.228	-0.0642	0	-1.45E-20	0	-4.855E-21	0
A6	WKI	2.457	-0.0642	0	-1.45E-20	0	1.292E-20	0
A6	WKA	0.000	0.0642	0	1.45E-20	0	2.263E-20	0
A6	WKA	1.228	0.0642	0	1.45E-20	0	4.855E-21	0
A6	WKA	2.457	0.0642	0	1.45E-20	0	-1.292E-20	0
A6	TETAP1	0.000	-4.4583	-0.010505	1.44E-18	0	3.214E-19	0
A6	TETAP1	1.228	-4.4657	2.9E-21	1.72E-19	0	-6.719E-19	0.0064522

A6	TETAP1	2.457	-4.4731	0.010505	-1.1E-18	0	-1.023E-19	4.353E-19
A6	TETAP2	0.000	-5.1748	-0.009005	1.21E-18	0	1.194E-19	0
A6	TETAP2	1.228	-5.1811	2.49E-21	1.19E-19	0	-6.965E-19	0.0055305
A6	TETAP2	2.457	-5.1874	0.009005	-9.72E-19	0	-1.728E-19	3.731E-19
A7	D	0.000	-3.8826	-0.00564	1.42E-18	0	3.129E-19	0
A7	D	0.923	-3.8866	4.6E-19	7.33E-19	0	-6.788E-19	0.0026032
A7	D	1.846	-3.8905	0.00564	4.97E-20	0	-1.04E-18	-1.006E-18
A7	L	0.000	-1.0336	0	1.48E-19	0	-2.964E-20	0
A7	L	0.923	-1.0336	0	1.48E-19	0	-1.665E-19	0
A7	L	1.846	-1.0336	0	1.48E-19	0	-3.035E-19	0
A7	WKI	0.000	-0.0415	0	-3.07E-21	0	-5.757E-21	0
A7	WKI	0.923	-0.0415	0	-3.07E-21	0	-2.919E-21	0
A7	WKI	1.846	-0.0415	0	-3.07E-21	0	-8.055E-23	0
A7	WKA	0.000	0.0415	0	3.07E-21	0	5.757E-21	0
A7	WKA	0.923	0.0415	0	3.07E-21	0	2.919E-21	0
A7	WKA	1.846	0.0415	0	3.07E-21	0	8.055E-23	0
A7	TETAP1	0.000	-5.4357	-0.007895	1.98E-18	0	4.38E-19	0
A7	TETAP1	0.923	-5.4412	6.44E-19	1.03E-18	0	-9.503E-19	0.0036445
A7	TETAP1	1.846	-5.4467	0.007895	6.96E-20	0	-1.456E-18	-1.409E-18
A7	TETAP2	0.000	-6.3130	-0.006768	1.94E-18	0	3.28E-19	0
A7	TETAP2	0.923	-6.3177	5.52E-19	1.12E-18	0	-1.081E-18	0.0031239
A7	TETAP2	1.846	-6.3225	0.006768	2.97E-19	0	-1.734E-18	-1.207E-18
A8	D	0.000	-4.3996	-0.00564	-6.3E-20	0	-1.534E-18	0
A8	D	0.923	-4.4035	4.6E-19	-7.46E-19	0	-1.161E-18	0.0026032
A8	D	1.846	-4.4075	0.00564	-1.43E-18	0	-1.568E-19	-1.006E-18
A8	L	0.000	-1.1748	0	-2.39E-19	0	-4.884E-19	0
A8	L	0.923	-1.1748	0	-2.39E-19	0	-2.675E-19	0
A8	L	1.846	-1.1748	0	-2.39E-19	0	-4.664E-20	0
A8	WKI	0.000	-0.0325	0	-4.43E-21	0	-9.848E-21	0
A8	WKI	0.923	-0.0325	0	-4.43E-21	0	-5.761E-21	0
A8	WKI	1.846	-0.0325	0	-4.43E-21	0	-1.674E-21	0
A8	WKA	0.000	0.0325	0	4.43E-21	0	9.848E-21	0
A8	WKA	0.923	0.0325	0	4.43E-21	0	5.761E-21	0
A8	WKA	1.846	0.0325	0	4.43E-21	0	1.674E-21	0
A8	TETAP1	0.000	-6.1594	-0.007895	-8.83E-20	0	-2.148E-18	0
A8	TETAP1	0.923	-6.1649	6.44E-19	-1.04E-18	0	-1.625E-18	0.0036445
A8	TETAP1	1.846	-6.1705	0.007895	-2E-18	0	-2.195E-19	-1.409E-18
A8	TETAP2	0.000	-7.1592	-0.006768	-4.58E-19	0	-2.622E-18	0
A8	TETAP2	0.923	-7.1639	5.52E-19	-1.28E-18	0	-1.821E-18	0.0031239
A8	TETAP2	1.846	-7.1687	0.006768	-2.1E-18	0	-2.628E-19	-1.207E-18
B9	D	0.000	3.6440	-0.00564	-5.52E-19	0	-1.73E-18	0
B9	D	0.764	3.6432	-6.19E-19	-1.23E-18	0	-1.047E-18	0.0021537
B9	D	1.528	3.6424	0.00564	-1.92E-18	0	1.568E-19	8.971E-19
B9	L	0.000	0.9719	0	-3.7E-19	0	-5.188E-19	0
B9	L	0.764	0.9719	0	-3.7E-19	0	-2.361E-19	0
B9	L	1.528	0.9719	0	-3.7E-19	0	4.664E-20	0
B9	WKI	0.000	0.4433	0	-8.29E-20	0	-1.305E-19	0
B9	WKI	0.764	0.4433	0	-8.29E-20	0	-6.72E-20	0
B9	WKI	1.528	0.4433	0	-8.29E-20	0	-3.901E-21	0
B9	WKA	0.000	-0.4433	0	8.29E-20	0	1.305E-19	0
B9	WKA	0.764	-0.4433	0	8.29E-20	0	6.72E-20	0
B9	WKA	1.528	-0.4433	0	8.29E-20	0	3.901E-21	0
B9	TETAP1	0.000	5.1015	-0.007895	-7.73E-19	0	-2.421E-18	0

B9	TETAP1	0.764	5.1004	-8.66E-19	-1.73E-18	0	-1.466E-18	0.0030152
B9	TETAP1	1.528	5.0993	0.007895	-2.69E-18	0	2.195E-19	1.256E-18
B9	TETAP2	0.000	5.9279	-0.006768	-1.25E-18	0	-2.906E-18	0
B9	TETAP2	0.764	5.9269	-7.43E-19	-2.07E-18	0	-1.634E-18	0.0025845
B9	TETAP2	1.528	5.9259	0.006768	-2.89E-18	0	2.628E-19	1.076E-18
B10	D	0.000	3.6440	-0.00564	1.97E-18	0	2.389E-19	0
B10	D	0.764	3.6432	-6.19E-19	1.29E-18	0	-1.006E-18	0.0021537
B10	D	1.528	3.6424	0.00564	6.06E-19	0	-1.73E-18	8.971E-19
B10	L	0.000	0.9719	0	3.52E-19	0	1.853E-20	0
B10	L	0.764	0.9719	0	3.52E-19	0	-2.502E-19	0
B10	L	1.528	0.9719	0	3.52E-19	0	-5.188E-19	0
B10	WKI	0.000	0.4433	0	8.65E-20	0	1.586E-21	0
B10	WKI	0.764	0.4433	0	8.65E-20	0	-6.446E-20	0
B10	WKI	1.528	0.4433	0	8.65E-20	0	-1.305E-19	0
B10	WKA	0.000	-0.4433	0	-8.65E-20	0	-1.586E-21	0
B10	WKA	0.764	-0.4433	0	-8.65E-20	0	6.446E-20	0
B10	WKA	1.528	-0.4433	0	-8.65E-20	0	1.305E-19	0
B10	TETAP1	0.000	5.1015	-0.007895	2.76E-18	0	3.344E-19	0
B10	TETAP1	0.764	5.1004	-8.66E-19	1.8E-18	0	-1.409E-18	0.0030152
B10	TETAP1	1.528	5.0993	0.007895	8.48E-19	0	-2.421E-18	1.256E-18
B10	TETAP2	0.000	5.9279	-0.006768	2.93E-18	0	3.163E-19	0
B10	TETAP2	0.764	5.9269	-7.43E-19	2.11E-18	0	-1.608E-18	0.0025845
B10	TETAP2	1.528	5.9259	0.006768	1.29E-18	0	-2.906E-18	1.076E-18
B11	D	0.000	3.2166	-0.007504	9.28E-19	0	1.98E-20	0
B11	D	1.016	3.2155	-1.26E-18	1.9E-20	0	-4.613E-19	0.0038131
B11	D	2.033	3.2145	0.007504	-8.9E-19	0	-1.879E-20	2.774E-18
B11	L	0.000	0.8552	0	3.19E-20	0	-3.533E-20	0
B11	L	1.016	0.8552	0	3.19E-20	0	-6.78E-20	0
B11	L	2.033	0.8552	0	3.19E-20	0	-1.003E-19	0
B11	WKI	0.000	0.3978	0	2E-21	0	-1.216E-20	0
B11	WKI	1.016	0.3978	0	2E-21	0	-1.419E-20	0
B11	WKI	2.033	0.3978	0	2E-21	0	-1.622E-20	0
B11	WKA	0.000	-0.3978	0	-2E-21	0	1.216E-20	0
B11	WKA	1.016	-0.3978	0	-2E-21	0	1.419E-20	0
B11	WKA	2.033	-0.3978	0	-2E-21	0	1.622E-20	0
B11	TETAP1	0.000	4.5032	-0.010505	1.3E-18	0	2.771E-20	0
B11	TETAP1	1.016	4.5017	-1.76E-18	2.66E-20	0	-6.458E-19	0.0053383
B11	TETAP1	2.033	4.5002	0.010505	-1.25E-18	0	-2.63E-20	3.883E-18
B11	TETAP2	0.000	5.2282	-0.009005	1.16E-18	0	-3.278E-20	0
B11	TETAP2	1.016	5.2269	-1.51E-18	7.39E-20	0	-6.62E-19	0.0045757
B11	TETAP2	2.033	5.2256	0.009005	-1.02E-18	0	-1.83E-19	3.328E-18
B12	D	0.000	2.6405	-0.007504	1.05E-18	0	2.722E-19	0
B12	D	1.016	2.6395	-3.02E-18	1.44E-19	0	-3.356E-19	0.0038136
B12	D	2.033	2.6384	0.007504	-7.65E-19	0	-1.975E-20	5.906E-18
B12	L	0.000	0.6999	0	6.37E-20	0	6.214E-21	0
B12	L	1.016	0.6999	0	6.37E-20	0	-5.858E-20	0
B12	L	2.033	0.6999	0	6.37E-20	0	-1.234E-19	0
B12	WKI	0.000	0.3371	0	1.77E-20	0	5.479E-21	0
B12	WKI	1.016	0.3371	0	1.77E-20	0	-1.254E-20	0
B12	WKI	2.033	0.3371	0	1.77E-20	0	-3.055E-20	0
B12	WKA	0.000	-0.3371	0	-1.77E-20	0	-5.479E-21	0
B12	WKA	1.016	-0.3371	0	-1.77E-20	0	1.254E-20	0
B12	WKA	2.033	-0.3371	0	-1.77E-20	0	3.055E-20	0

Satuan : Ton-m

FrameForces

B12	TETAP1	0.000	3.6967	-0.010505	1.47E-18	0	3.81E-19	0
B12	TETAP1	1.016	3.6952	-4.23E-18	2.01E-19	0	-4.699E-19	0.005339
B12	TETAP1	2.033	3.6937	0.010505	-1.07E-18	0	-2.765E-20	8.268E-18
B12	TETAP2	0.000	4.2885	-0.009005	1.36E-18	0	3.365E-19	0
B12	TETAP2	1.016	4.2873	-3.63E-18	2.74E-19	0	-4.965E-19	0.0045763
B12	TETAP2	2.033	4.2860	0.009005	-8.16E-19	0	-2.211E-19	7.087E-18
B13	D	0.000	2.6384	-0.007504	7.65E-19	0	-1.975E-20	0
B13	D	1.016	2.6395	-3.02E-18	-1.44E-19	0	-3.356E-19	0.0038136
B13	D	2.033	2.6405	0.007504	-1.05E-18	0	2.722E-19	5.906E-18
B13	L	0.000	0.6999	0	-6.37E-20	0	-1.234E-19	0
B13	L	1.016	0.6999	0	-6.37E-20	0	-5.858E-20	0
B13	L	2.033	0.6999	0	-6.37E-20	0	6.214E-21	0
B13	WKI	0.000	0.1954	0	2.35E-20	0	1.864E-20	0
B13	WKI	1.016	0.1954	0	2.35E-20	0	-5.273E-21	0
B13	WKI	2.033	0.1954	0	2.35E-20	0	-2.919E-20	0
B13	WKA	0.000	-0.1954	0	-2.35E-20	0	-1.864E-20	0
B13	WKA	1.016	-0.1954	0	-2.35E-20	0	5.273E-21	0
B13	WKA	2.033	-0.1954	0	-2.35E-20	0	2.919E-20	0
B13	TETAP1	0.000	3.6937	-0.010505	1.07E-18	0	-2.765E-20	0
B13	TETAP1	1.016	3.6952	-4.23E-18	-2.01E-19	0	-4.699E-19	0.005339
B13	TETAP1	2.033	3.6967	0.010505	-1.47E-18	0	3.81E-19	8.268E-18
B13	TETAP2	0.000	4.2860	-0.009005	8.16E-19	0	-2.211E-19	0
B13	TETAP2	1.016	4.2873	-3.63E-18	-2.74E-19	0	-4.965E-19	0.0045763
B13	TETAP2	2.033	4.2885	0.009005	-1.36E-18	0	3.365E-19	7.087E-18
B14	D	0.000	3.2145	-0.007504	8.9E-19	0	-1.879E-20	0
B14	D	1.016	3.2155	-1.26E-18	-1.9E-20	0	-4.613E-19	0.0038131
B14	D	2.033	3.2166	0.007504	-9.28E-19	0	1.98E-20	2.774E-18
B14	L	0.000	0.8552	0	-3.19E-20	0	-1.003E-19	0
B14	L	1.016	0.8552	0	-3.19E-20	0	-6.78E-20	0
B14	L	2.033	0.8552	0	-3.19E-20	0	-3.533E-20	0
B14	WKI	0.000	0.1144	0	1.3E-21	0	1.775E-21	0
B14	WKI	1.016	0.1144	0	1.3E-21	0	4.582E-22	0
B14	WKI	2.033	0.1144	0	1.3E-21	0	-8.591E-22	0
B14	WKA	0.000	-0.1144	0	-1.3E-21	0	-1.775E-21	0
B14	WKA	1.016	-0.1144	0	-1.3E-21	0	-4.582E-22	0
B14	WKA	2.033	-0.1144	0	-1.3E-21	0	8.591E-22	0
B14	TETAP1	0.000	4.5002	-0.010505	1.25E-18	0	-2.63E-20	0
B14	TETAP1	1.016	4.5017	-1.76E-18	-2.66E-20	0	-6.458E-19	0.0053383
B14	TETAP1	2.033	4.5032	0.010505	-1.3E-18	0	2.771E-20	3.883E-18
B14	TETAP2	0.000	5.2256	-0.009005	1.02E-18	0	-1.83E-19	0
B14	TETAP2	1.016	5.2269	-1.51E-18	-7.39E-20	0	-6.62E-19	0.0045757
B14	TETAP2	2.033	5.2282	0.009005	-1.16E-18	0	-3.278E-20	3.328E-18
B15	D	0.000	3.6424	-0.00564	-6.06E-19	0	-1.73E-18	0
B15	D	0.764	3.6432	-6.19E-19	-1.29E-18	0	-1.006E-18	0.0021537
B15	D	1.528	3.6440	0.00564	-1.97E-18	0	2.389E-19	8.971E-19
B15	L	0.000	0.9719	0	-3.52E-19	0	-5.188E-19	0
B15	L	0.764	0.9719	0	-3.52E-19	0	-2.502E-19	0
B15	L	1.528	0.9719	0	-3.52E-19	0	1.853E-20	0
B15	WKI	0.000	0.0535	0	-5.91E-21	0	-1.053E-20	0
B15	WKI	0.764	0.0535	0	-5.91E-21	0	-6.016E-21	0
B15	WKI	1.528	0.0535	0	-5.91E-21	0	-1.504E-21	0
B15	WKA	0.000	-0.0535	0	5.91E-21	0	1.053E-20	0
B15	WKA	0.764	-0.0535	0	5.91E-21	0	6.016E-21	0

B15	WKA	1.528	-0.0535	0	5.91E-21	0	1.504E-21	0
B15	TETAP1	0.000	5.0993	-0.007895	-8.48E-19	0	-2.421E-18	0
B15	TETAP1	0.764	5.1004	-8.66E-19	-1.8E-18	0	-1.409E-18	0.0030152
B15	TETAP1	1.528	5.1015	0.007895	-2.76E-18	0	3.344E-19	1.256E-18
B15	TETAP2	0.000	5.9259	-0.006768	-1.29E-18	0	-2.906E-18	0
B15	TETAP2	0.764	5.9269	-7.43E-19	-2.11E-18	0	-1.608E-18	0.0025845
B15	TETAP2	1.528	5.9279	0.006768	-2.93E-18	0	3.163E-19	1.076E-18
B16	D	0.000	3.6424	-0.00564	1.92E-18	0	1.568E-19	0
B16	D	0.764	3.6432	-6.19E-19	1.23E-18	0	-1.047E-18	0.0021537
B16	D	1.528	3.6440	0.00564	5.52E-19	0	-1.73E-18	8.971E-19
B16	L	0.000	0.9719	0	3.7E-19	0	4.664E-20	0
B16	L	0.764	0.9719	0	3.7E-19	0	-2.361E-19	0
B16	L	1.528	0.9719	0	3.7E-19	0	-5.188E-19	0
B16	WKI	0.000	0.0535	0	7.99E-21	0	1.674E-21	0
B16	WKI	0.764	0.0535	0	7.99E-21	0	-4.427E-21	0
B16	WKI	1.528	0.0535	0	7.99E-21	0	-1.053E-20	0
B16	WKA	0.000	-0.0535	0	-7.99E-21	0	-1.674E-21	0
B16	WKA	0.764	-0.0535	0	-7.99E-21	0	4.427E-21	0
B16	WKA	1.528	-0.0535	0	-7.99E-21	0	1.053E-20	0
B16	TETAP1	0.000	5.0993	-0.007895	2.69E-18	0	2.195E-19	0
B16	TETAP1	0.764	5.1004	-8.66E-19	1.73E-18	0	-1.466E-18	0.0030152
B16	TETAP1	1.528	5.1015	0.007895	7.73E-19	0	-2.421E-18	1.256E-18
B16	TETAP2	0.000	5.9259	-0.006768	2.89E-18	0	2.628E-19	0
B16	TETAP2	0.764	5.9269	-7.43E-19	2.07E-18	0	-1.634E-18	0.0025845
B16	TETAP2	1.528	5.9279	0.006768	1.25E-18	0	-2.906E-18	1.076E-18
D17	D	0.000	-0.4565	-0.00564	5.39E-19	0	-4.943E-19	0
D17	D	0.819	-0.4589	-1.94E-18	-1.44E-19	0	-6.558E-19	0.0023106
D17	D	1.639	-0.4612	0.00564	-8.27E-19	0	-2.577E-19	2.841E-18
D17	L	0.000	-0.1253	0	-4.03E-20	0	-1.849E-19	0
D17	L	0.819	-0.1253	0	-4.03E-20	0	-1.519E-19	0
D17	L	1.639	-0.1253	0	-4.03E-20	0	-1.188E-19	0
D17	WKI	0.000	-0.0489	0	-3.25E-20	0	-7.102E-20	0
D17	WKI	0.819	-0.0489	0	-3.25E-20	0	-4.441E-20	0
D17	WKI	1.639	-0.0489	0	-3.25E-20	0	-1.78E-20	0
D17	WKA	0.000	0.0489	0	3.25E-20	0	7.102E-20	0
D17	WKA	0.819	0.0489	0	3.25E-20	0	4.441E-20	0
D17	WKA	1.639	0.0489	0	3.25E-20	0	1.78E-20	0
D17	TETAP1	0.000	-0.6391	-0.007895	7.54E-19	0	-6.92E-19	0
D17	TETAP1	0.819	-0.6424	-2.71E-18	-2.02E-19	0	-9.181E-19	0.0032348
D17	TETAP1	1.639	-0.6457	0.007895	-1.16E-18	0	-3.607E-19	3.978E-18
D17	TETAP2	0.000	-0.7483	-0.006768	5.82E-19	0	-8.89E-19	0
D17	TETAP2	0.819	-0.7511	-2.32E-18	-2.38E-19	0	-1.03E-18	0.0027727
D17	TETAP2	1.639	-0.7539	0.006768	-1.06E-18	0	-4.993E-19	3.409E-18
D18	D	0.000	-0.6908	-0.007504	1.08E-18	0	3.86E-19	0
D18	D	1.227	-0.6961	4.01E-20	1.73E-19	0	-3.844E-19	0.0046044
D18	D	2.454	-0.7013	0.007504	-7.35E-19	0	-3.954E-20	2.391E-19
D18	L	0.000	-0.1876	0	4.55E-20	0	2.353E-20	0
D18	L	1.227	-0.1876	0	4.55E-20	0	-3.226E-20	0
D18	L	2.454	-0.1876	0	4.55E-20	0	-8.805E-20	0
D18	WKI	0.000	-0.0733	0	7.65E-21	0	3.911E-22	0
D18	WKI	1.227	-0.0733	0	7.65E-21	0	-8.999E-21	0
D18	WKI	2.454	-0.0733	0	7.65E-21	0	-1.839E-20	0
D18	WKA	0.000	0.0733	0	-7.65E-21	0	-3.911E-22	0

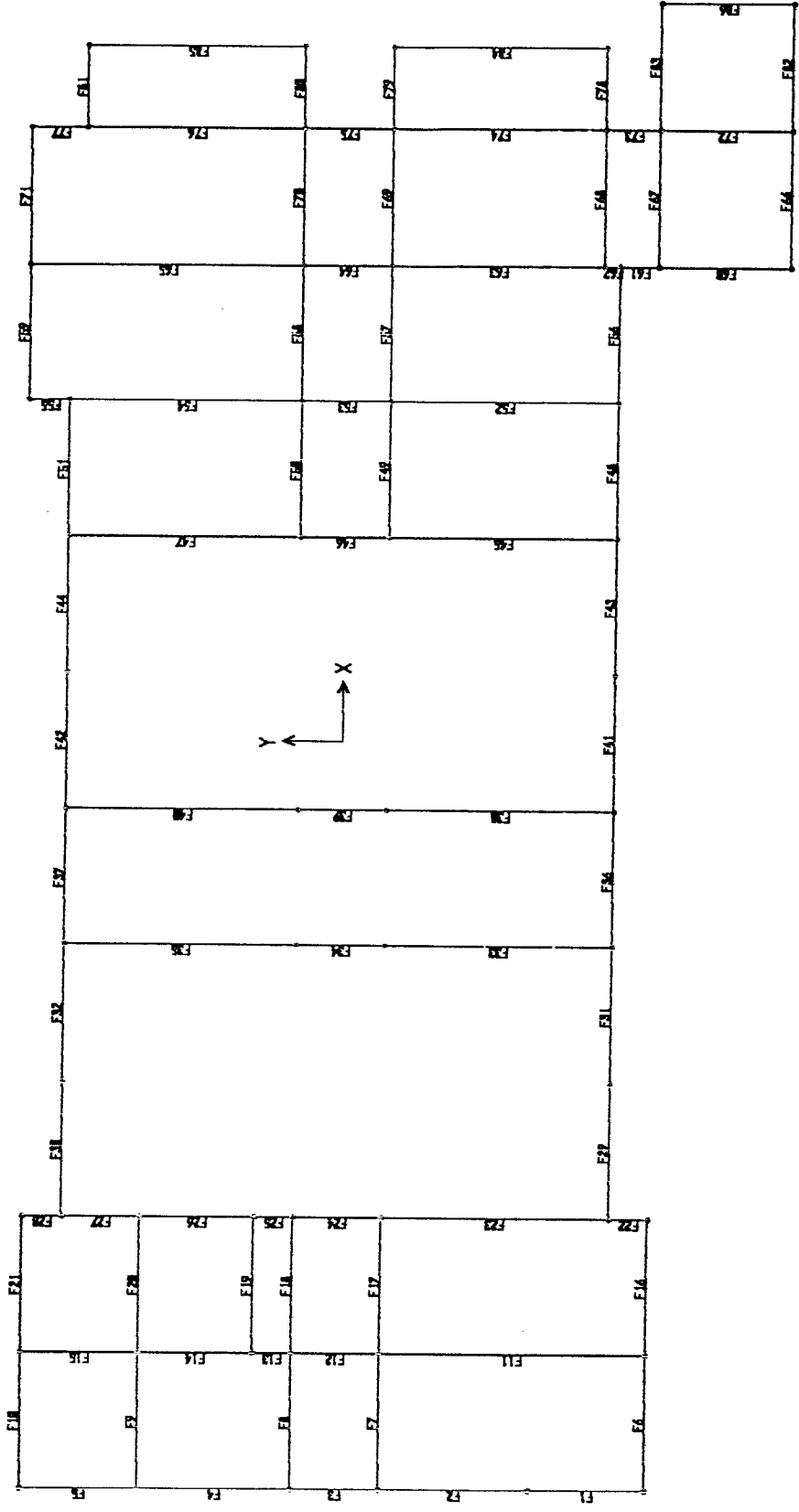
D18	WKA	1.227	0.0733	0	-7.65E-21	0	8.999E-21	0
D18	WKA	2.454	0.0733	0	-7.65E-21	0	1.839E-20	0
D18	TETAP1	0.000	-0.9671	-0.010505	1.52E-18	0	5.404E-19	0
D18	TETAP1	1.227	-0.9745	5.61E-20	2.43E-19	0	-5.382E-19	0.0064462
D18	TETAP1	2.454	-0.9818	0.010505	-1.03E-18	0	-5.536E-20	3.347E-19
D18	TETAP2	0.000	-1.1291	-0.009005	1.37E-18	0	5.008E-19	0
D18	TETAP2	1.227	-1.1354	4.81E-20	2.81E-19	0	-5.129E-19	0.0055253
D18	TETAP2	2.454	-1.1417	0.009005	-8.1E-19	0	-1.883E-19	2.869E-19
D19	D	0.000	-0.9150	-0.007504	1.13E-18	0	8.02E-19	0
D19	D	1.615	-0.9244	1.57E-18	2.19E-19	0	-2.863E-19	0.0060603
D19	D	3.230	-0.9339	0.007504	-6.89E-19	0	9.314E-20	-4.561E-18
D19	L	0.000	-0.2465	0	6.83E-20	0	1.063E-19	0
D19	L	1.615	-0.2465	0	6.83E-20	0	-4.064E-21	0
D19	L	3.230	-0.2465	0	6.83E-20	0	-1.145E-19	0
D19	WKI	0.000	-0.0962	0	1.07E-20	0	1.249E-20	0
D19	WKI	1.615	-0.0962	0	1.07E-20	0	-4.825E-21	0
D19	WKI	3.230	-0.0962	0	1.07E-20	0	-2.214E-20	0
D19	WKA	0.000	0.0962	0	-1.07E-20	0	-1.249E-20	0
D19	WKA	1.615	0.0962	0	-1.07E-20	0	4.825E-21	0
D19	WKA	3.230	0.0962	0	-1.07E-20	0	2.214E-20	0
D19	TETAP1	0.000	-1.2810	-0.010505	1.58E-18	0	1.123E-18	0
D19	TETAP1	1.615	-1.2942	2.19E-18	3.07E-19	0	-4.009E-19	0.0084844
D19	TETAP1	3.230	-1.3074	0.010505	-9.65E-19	0	1.304E-19	-6.386E-18
D19	TETAP2	0.000	-1.4925	-0.009005	1.46E-18	0	1.133E-18	0
D19	TETAP2	1.615	-1.5038	1.88E-18	3.73E-19	0	-3.501E-19	0.0072723
D19	TETAP2	3.230	-1.5151	0.009005	-7.18E-19	0	-7.136E-20	-5.473E-18
D20	D	0.000	-0.9339	-0.007504	6.89E-19	0	9.314E-20	0
D20	D	1.615	-0.9244	1.57E-18	-2.19E-19	0	-2.863E-19	0.0060603
D20	D	3.230	-0.9150	0.007504	-1.13E-18	0	8.02E-19	-4.561E-18
D20	L	0.000	-0.2465	0	-6.83E-20	0	-1.145E-19	0
D20	L	1.615	-0.2465	0	-6.83E-20	0	-4.064E-21	0
D20	L	3.230	-0.2465	0	-6.83E-20	0	1.063E-19	0
D20	WKI	0.000	0.1290	0	7.33E-21	0	1.252E-20	0
D20	WKI	1.615	0.1290	0	7.33E-21	0	6.849E-22	0
D20	WKI	3.230	0.1290	0	7.33E-21	0	-1.115E-20	0
D20	WKA	0.000	-0.1290	0	-7.33E-21	0	-1.252E-20	0
D20	WKA	1.615	-0.1290	0	-7.33E-21	0	-6.849E-22	0
D20	WKA	3.230	-0.1290	0	-7.33E-21	0	1.115E-20	0
D20	TETAP1	0.000	-1.3074	-0.010505	9.65E-19	0	1.304E-19	0
D20	TETAP1	1.615	-1.2942	2.19E-18	-3.07E-19	0	-4.009E-19	0.0084844
D20	TETAP1	3.230	-1.2810	0.010505	-1.58E-18	0	1.123E-18	-6.386E-18
D20	TETAP2	0.000	-1.5151	-0.009005	7.18E-19	0	-7.136E-20	0
D20	TETAP2	1.615	-1.5038	1.88E-18	-3.73E-19	0	-3.501E-19	0.0072723
D20	TETAP2	3.230	-1.4925	0.009005	-1.46E-18	0	1.133E-18	-5.473E-18
D21	D	0.000	-0.7013	-0.007504	7.35E-19	0	-3.954E-20	0
D21	D	1.227	-0.6961	4.01E-20	-1.73E-19	0	-3.844E-19	0.0046044
D21	D	2.454	-0.6908	0.007504	-1.08E-18	0	3.86E-19	2.391E-19
D21	L	0.000	-0.1876	0	-4.55E-20	0	-8.805E-20	0
D21	L	1.227	-0.1876	0	-4.55E-20	0	-3.226E-20	0
D21	L	2.454	-0.1876	0	-4.55E-20	0	2.353E-20	0
D21	WKI	0.000	0.0978	0	1.56E-20	0	1.95E-20	0
D21	WKI	1.227	0.0978	0	1.56E-20	0	4.091E-22	0
D21	WKI	2.454	0.0978	0	1.56E-20	0	-1.868E-20	0

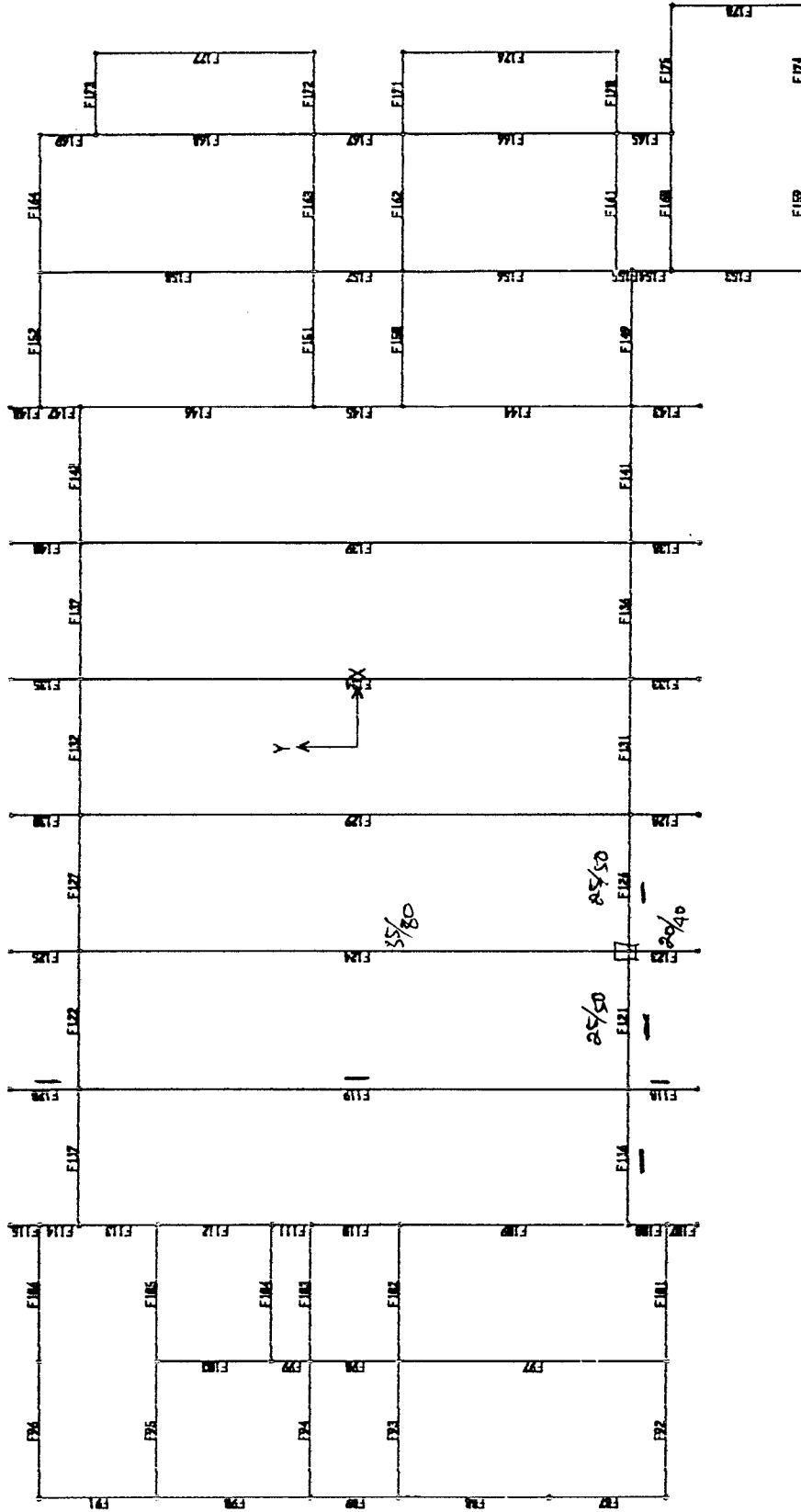
D21	WKA	0.000	-0.0978	0	-1.56E-20	0	-1.95E-20	0
D21	WKA	1.227	-0.0978	0	-1.56E-20	0	-4.091E-22	0
D21	WKA	2.454	-0.0978	0	-1.56E-20	0	1.868E-20	0
D21	TETAP1	0.000	-0.9818	-0.010505	1.03E-18	0	-5.536E-20	0
D21	TETAP1	1.227	-0.9745	5.61E-20	-2.43E-19	0	-5.382E-19	0.0064462
D21	TETAP1	2.454	-0.9671	0.010505	-1.52E-18	0	5.404E-19	3.347E-19
D21	TETAP2	0.000	-1.1417	-0.009005	8.1E-19	0	-1.883E-19	0
D21	TETAP2	1.227	-1.1354	4.81E-20	-2.81E-19	0	-5.129E-19	0.0055253
D21	TETAP2	2.454	-1.1291	0.009005	-1.37E-18	0	5.008E-19	2.869E-19
D22	D	0.000	-0.4612	-0.00564	8.27E-19	0	-2.577E-19	0
D22	D	0.819	-0.4589	-1.94E-18	1.44E-19	0	-6.558E-19	0.0023106
D22	D	1.639	-0.4565	0.00564	-5.39E-19	0	-4.943E-19	2.841E-18
D22	L	0.000	-0.1253	0	4.03E-20	0	-1.188E-19	0
D22	L	0.819	-0.1253	0	4.03E-20	0	-1.519E-19	0
D22	L	1.639	-0.1253	0	4.03E-20	0	-1.849E-19	0
D22	WKI	0.000	0.0653	0	7.96E-21	0	3.28E-21	0
D22	WKI	0.819	0.0653	0	7.96E-21	0	-3.244E-21	0
D22	WKI	1.639	0.0653	0	7.96E-21	0	-9.767E-21	0
D22	WKA	0.000	-0.0653	0	-7.96E-21	0	-3.28E-21	0
D22	WKA	0.819	-0.0653	0	-7.96E-21	0	3.244E-21	0
D22	WKA	1.639	-0.0653	0	-7.96E-21	0	9.767E-21	0
D22	TETAP1	0.000	-0.6457	-0.007895	1.16E-18	0	-3.607E-19	0
D22	TETAP1	0.819	-0.6424	-2.71E-18	2.02E-19	0	-9.181E-19	0.0032348
D22	TETAP1	1.639	-0.6391	0.007895	-7.54E-19	0	-6.92E-19	3.978E-18
D22	TETAP2	0.000	-0.7539	-0.006768	1.06E-18	0	-4.993E-19	0
D22	TETAP2	0.819	-0.7511	-2.32E-18	2.38E-19	0	-1.03E-18	0.0027727
D22	TETAP2	1.639	-0.7483	0.006768	-5.82E-19	0	-8.89E-19	3.409E-18
T23	D	0.000	0.1130	0	0	0	0	0
T23	D	0.423	0.1098	0	0	0	0	0
T23	D	0.845	0.1067	0	0	0	0	0
T23	L	0.000	0.0000	0	0	0	0	0
T23	L	0.423	0.0000	0	0	0	0	0
T23	L	0.845	0.0000	0	0	0	0	0
T23	WKI	0.000	0.0000	0	0	0	0	0
T23	WKI	0.423	0.0000	0	0	0	0	0
T23	WKI	0.845	0.0000	0	0	0	0	0
T23	WKA	0.000	0.0000	0	0	0	0	0
T23	WKA	0.423	0.0000	0	0	0	0	0
T23	WKA	0.845	0.0000	0	0	0	0	0
T23	TETAP1	0.000	0.1582	0	0	0	0	0
T23	TETAP1	0.423	0.1538	0	0	0	0	0
T23	TETAP1	0.845	0.1494	0	0	0	0	0
T23	TETAP2	0.000	0.1356	0	0	0	0	0
T23	TETAP2	0.423	0.1318	0	0	0	0	0
T23	TETAP2	0.845	0.1280	0	0	0	0	0
T24	D	0.000	0.3792	0	0	0	0	0
T24	D	0.845	0.3729	0	0	0	0	0
T24	D	1.690	0.3666	0	0	0	0	0
T24	L	0.000	0.0645	0	0	0	0	0
T24	L	0.845	0.0645	0	0	0	0	0
T24	L	1.690	0.0645	0	0	0	0	0
T24	WKI	0.000	0.0252	0	0	0	0	0
T24	WKI	0.845	0.0252	0	0	0	0	0

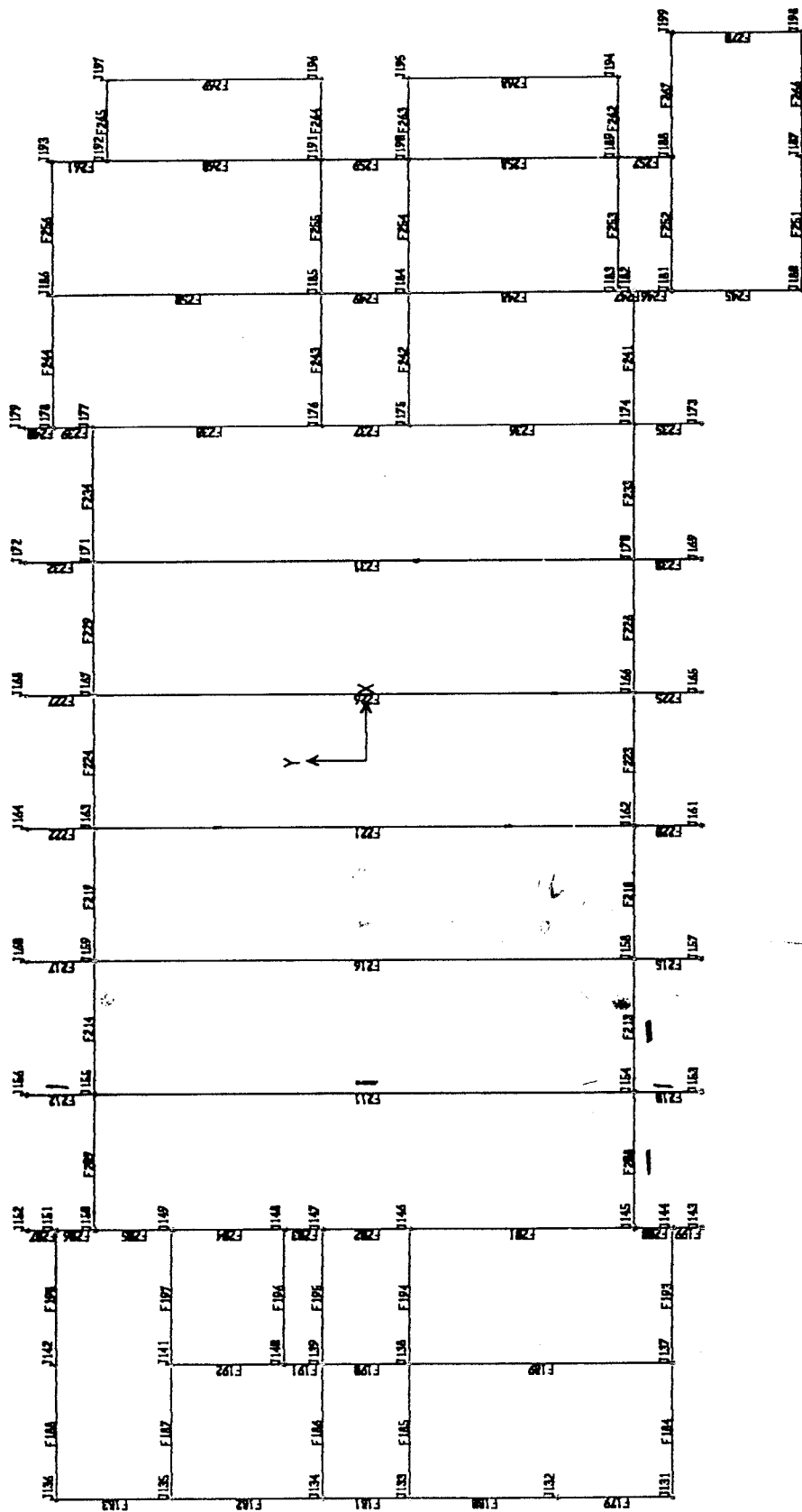
T24	WKI	1.690	0.0252	0	0	0	0	0
T24	WKA	0.000	-0.0252	0	0	0	0	0
T24	WKA	0.845	-0.0252	0	0	0	0	0
T24	WKA	1.690	-0.0252	0	0	0	0	0
T24	TETAP1	0.000	0.5308	0	0	0	0	0
T24	TETAP1	0.845	0.5220	0	0	0	0	0
T24	TETAP1	1.690	0.5132	0	0	0	0	0
T24	TETAP2	0.000	0.5582	0	0	0	0	0
T24	TETAP2	0.845	0.5506	0	0	0	0	0
T24	TETAP2	1.690	0.5431	0	0	0	0	0
<hr/>								
T25	D	0.000	0.6487	0	0	0	0	0
T25	D	1.407	0.6382	0	0	0	0	0
T25	D	2.814	0.6277	0	0	0	0	0
T25	L	0.000	0.1285	0	0	0	0	0
T25	L	1.407	0.1285	0	0	0	0	0
T25	L	2.814	0.1285	0	0	0	0	0
T25	WKI	0.000	0.0501	0	0	0	0	0
T25	WKI	1.407	0.0501	0	0	0	0	0
T25	WKI	2.814	0.0501	0	0	0	0	0
T25	WKA	0.000	-0.0501	0	0	0	0	0
T25	WKA	1.407	-0.0501	0	0	0	0	0
T25	WKA	2.814	-0.0501	0	0	0	0	0
T25	TETAP1	0.000	0.9081	0	0	0	0	0
T25	TETAP1	1.407	0.8935	0	0	0	0	0
T25	TETAP1	2.814	0.8788	0	0	0	0	0
T25	TETAP2	0.000	0.9840	0	0	0	0	0
T25	TETAP2	1.407	0.9714	0	0	0	0	0
T25	TETAP2	2.814	0.9588	0	0	0	0	0
<hr/>								
T26	D	0.000	2.3869	0	0	0	0	0
T26	D	1.968	2.3722	0	0	0	0	0
T26	D	3.936	2.3575	0	0	0	0	0
T26	L	0.000	0.5833	0	0	0	0	0
T26	L	1.968	0.5833	0	0	0	0	0
T26	L	3.936	0.5833	0	0	0	0	0
T26	WKI	0.000	0.0495	0	0	0	0	0
T26	WKI	1.968	0.0495	0	0	0	0	0
T26	WKI	3.936	0.0495	0	0	0	0	0
T26	WKA	0.000	-0.0495	0	0	0	0	0
T26	WKA	1.968	-0.0495	0	0	0	0	0
T26	WKA	3.936	-0.0495	0	0	0	0	0
T26	TETAP1	0.000	3.3416	0	0	0	0	0
T26	TETAP1	1.968	3.3210	0	0	0	0	0
T26	TETAP1	3.936	3.3005	0	0	0	0	0
T26	TETAP2	0.000	3.7975	0	0	0	0	0
T26	TETAP2	1.968	3.7799	0	0	0	0	0
T26	TETAP2	3.936	3.7623	0	0	0	0	0
<hr/>								
T27	D	0.000	0.6487	0	0	0	0	0
T27	D	1.407	0.6382	0	0	0	0	0
T27	D	2.814	0.6277	0	0	0	0	0
T27	L	0.000	0.1285	0	0	0	0	0
T27	L	1.407	0.1285	0	0	0	0	0
T27	L	2.814	0.1285	0	0	0	0	0
T27	WKI	0.000	-0.0675	0	0	0	0	0

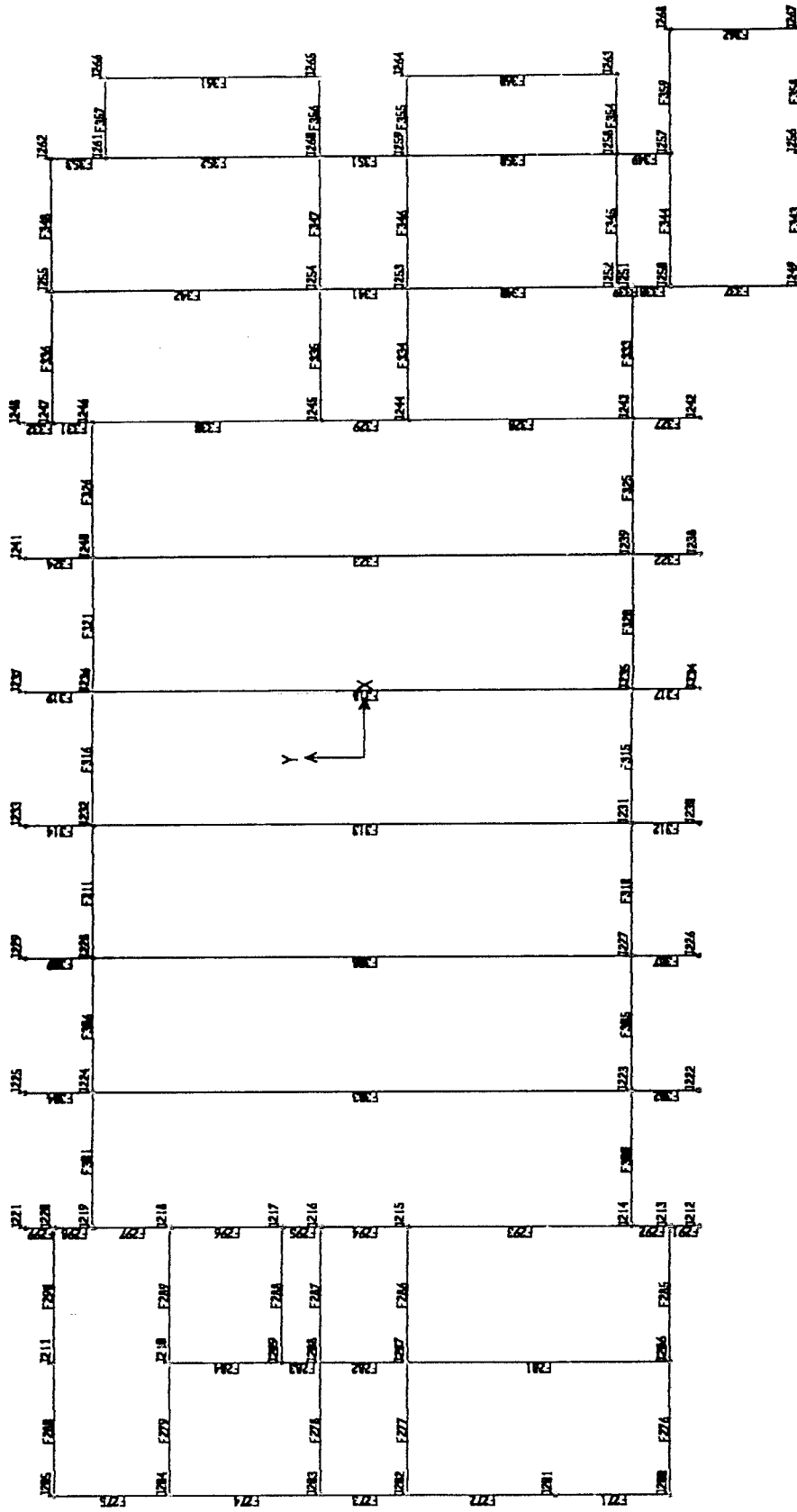
T27	WKI	1.407	-0.0675	0	0	0	0	0
T27	WKI	2.814	-0.0675	0	0	0	0	0
T27	WKA	0.000	0.0675	0	0	0	0	0
T27	WKA	1.407	0.0675	0	0	0	0	0
T27	WKA	2.814	0.0675	0	0	0	0	0
T27	TETAP1	0.000	0.9081	0	0	0	0	0
T27	TETAP1	1.407	0.8935	0	0	0	0	0
T27	TETAP1	2.814	0.8788	0	0	0	0	0
T27	TETAP2	0.000	0.9840	0	0	0	0	0
T27	TETAP2	1.407	0.9714	0	0	0	0	0
T27	TETAP2	2.814	0.9588	0	0	0	0	0
<hr/>								
T28	D	0.000	0.3792	0	0	0	0	0
T28	D	0.845	0.3729	0	0	0	0	0
T28	D	1.690	0.3666	0	0	0	0	0
T28	L	0.000	0.0645	0	0	0	0	0
T28	L	0.845	0.0645	0	0	0	0	0
T28	L	1.690	0.0645	0	0	0	0	0
T28	WKI	0.000	-0.0337	0	0	0	0	0
T28	WKI	0.845	-0.0337	0	0	0	0	0
T28	WKI	1.690	-0.0337	0	0	0	0	0
T28	WKA	0.000	0.0337	0	0	0	0	0
T28	WKA	0.845	0.0337	0	0	0	0	0
T28	WKA	1.690	0.0337	0	0	0	0	0
T28	TETAP1	0.000	0.5308	0	0	0	0	0
T28	TETAP1	0.845	0.5220	0	0	0	0	0
T28	TETAP1	1.690	0.5132	0	0	0	0	0
T28	TETAP2	0.000	0.5582	0	0	0	0	0
T28	TETAP2	0.845	0.5506	0	0	0	0	0
T28	TETAP2	1.690	0.5431	0	0	0	0	0
<hr/>								
T29	D	0.000	0.1130	0	0	0	0	0
T29	D	0.423	0.1098	0	0	0	0	0
T29	D	0.845	0.1067	0	0	0	0	0
T29	L	0.000	0.0000	0	0	0	0	0
T29	L	0.423	0.0000	0	0	0	0	0
T29	L	0.845	0.0000	0	0	0	0	0
T29	WKI	0.000	0.0000	0	0	0	0	0
T29	WKI	0.423	0.0000	0	0	0	0	0
T29	WKI	0.845	0.0000	0	0	0	0	0
T29	WKA	0.000	0.0000	0	0	0	0	0
T29	WKA	0.423	0.0000	0	0	0	0	0
T29	WKA	0.845	0.0000	0	0	0	0	0
T29	TETAP1	0.000	0.1582	0	0	0	0	0
T29	TETAP1	0.423	0.1538	0	0	0	0	0
T29	TETAP1	0.845	0.1494	0	0	0	0	0
T29	TETAP2	0.000	0.1356	0	0	0	0	0
T29	TETAP2	0.423	0.1318	0	0	0	0	0
T29	TETAP2	0.845	0.1280	0	0	0	0	0

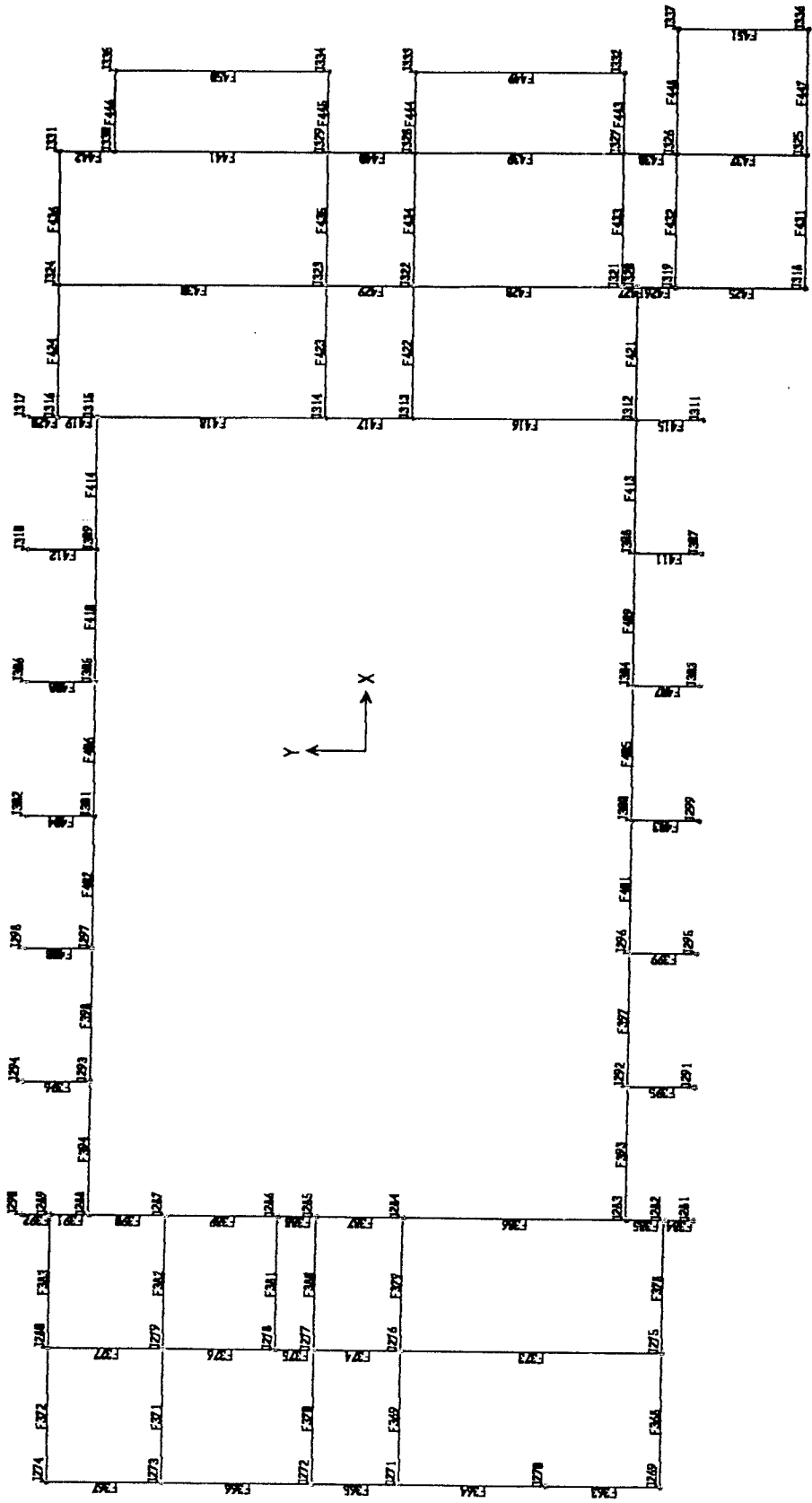
JOINT	LOAD	F1	F2	F3	M1	M2	M3
1	D	2.391E-14	-4.888E-19	2.2543	0	0	0
1	L	7.246E-15	-1.309E-19	0.6022	0	0	0
1	WKI	-4.313E-01	-3.362E-21	-0.0316	0	0	0
1	WKA	4.313E-01	3.362E-21	0.0316	0	0	0
1	TETAP1	3.347E-14	-6.844E-19	3.1560	0	0	0
1	TETAP2	4.029E-14	-7.961E-19	3.6687	0	0	0
9	D	0	0	2.2543	0	0	0
9	L	0	0	0.6022	0	0	0
9	WKI	0	0	-0.0040	0	0	0
9	WKA	0	0	0.0040	0	0	0
9	TETAP1	0	0	3.1560	0	0	0
9	TETAP2	0	0	3.6687	0	0	0

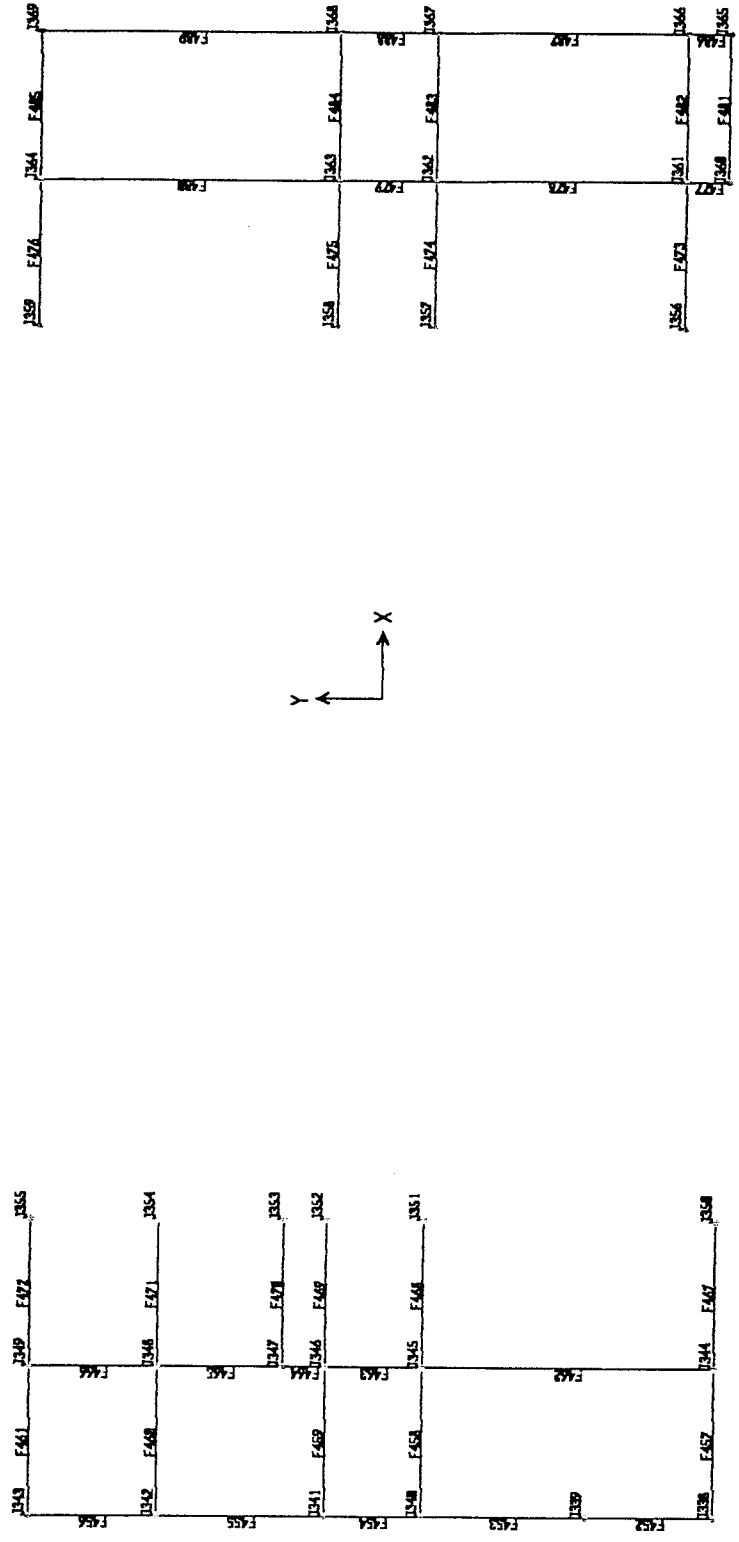


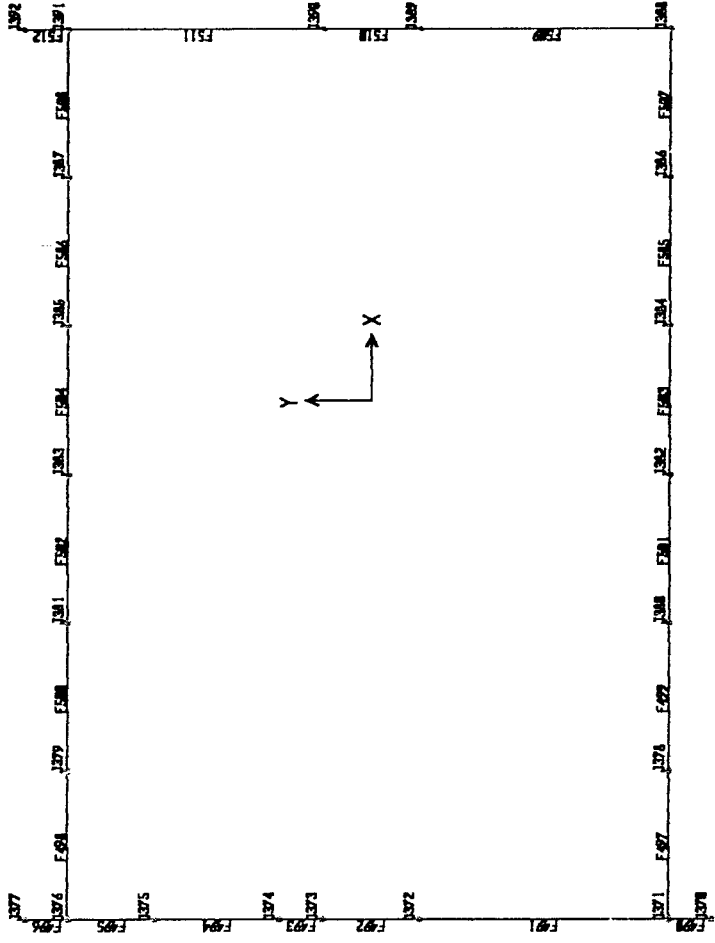


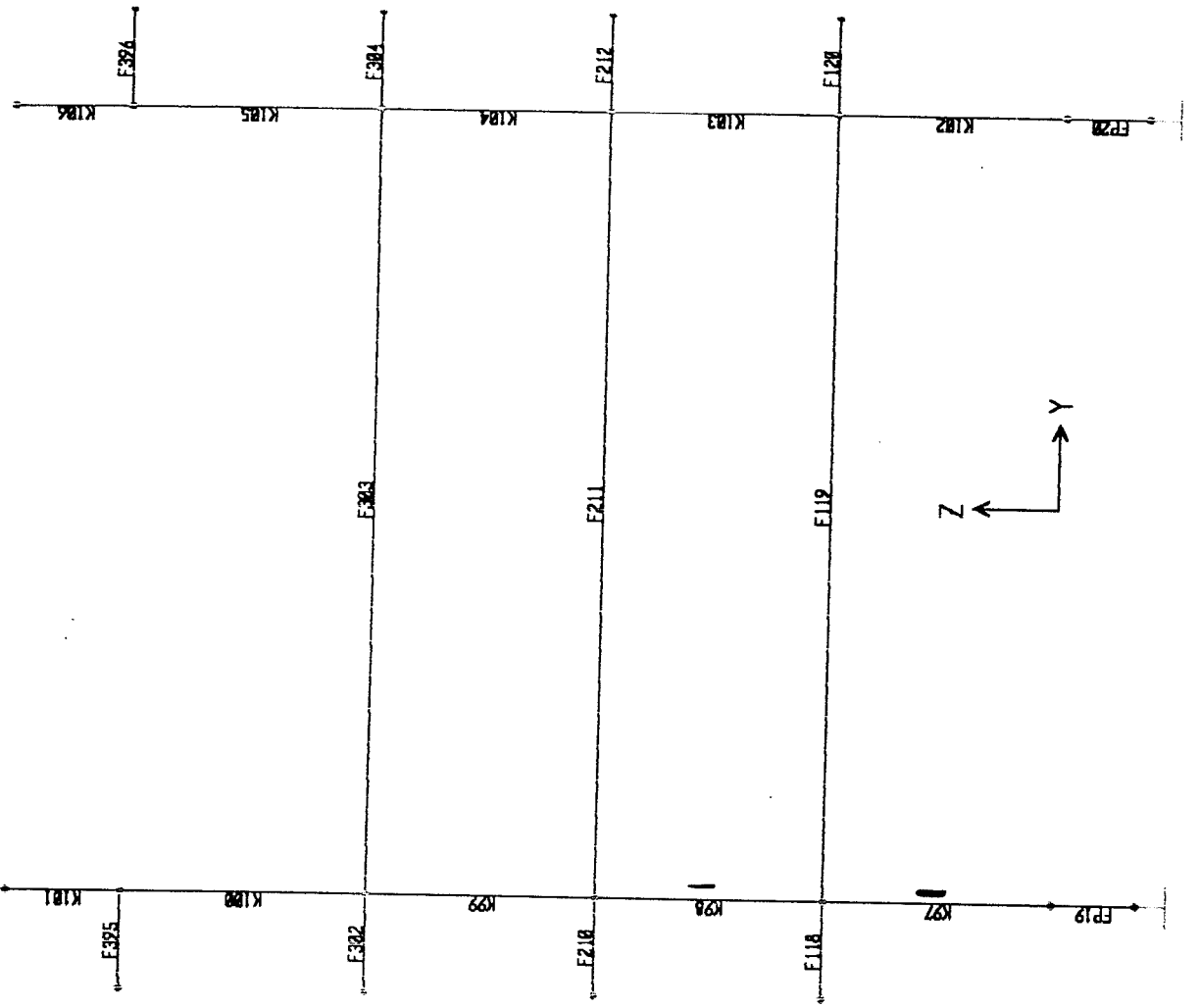


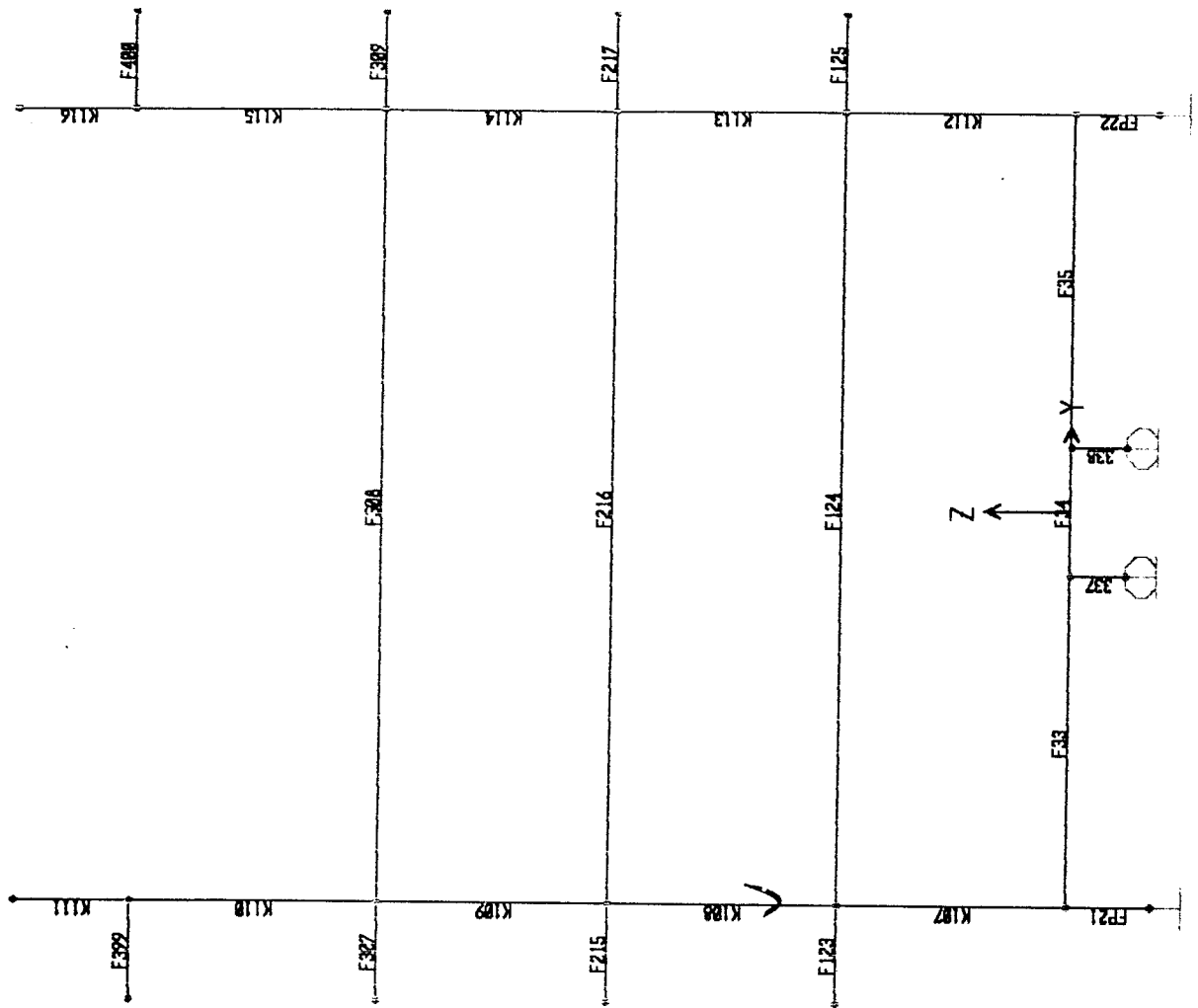


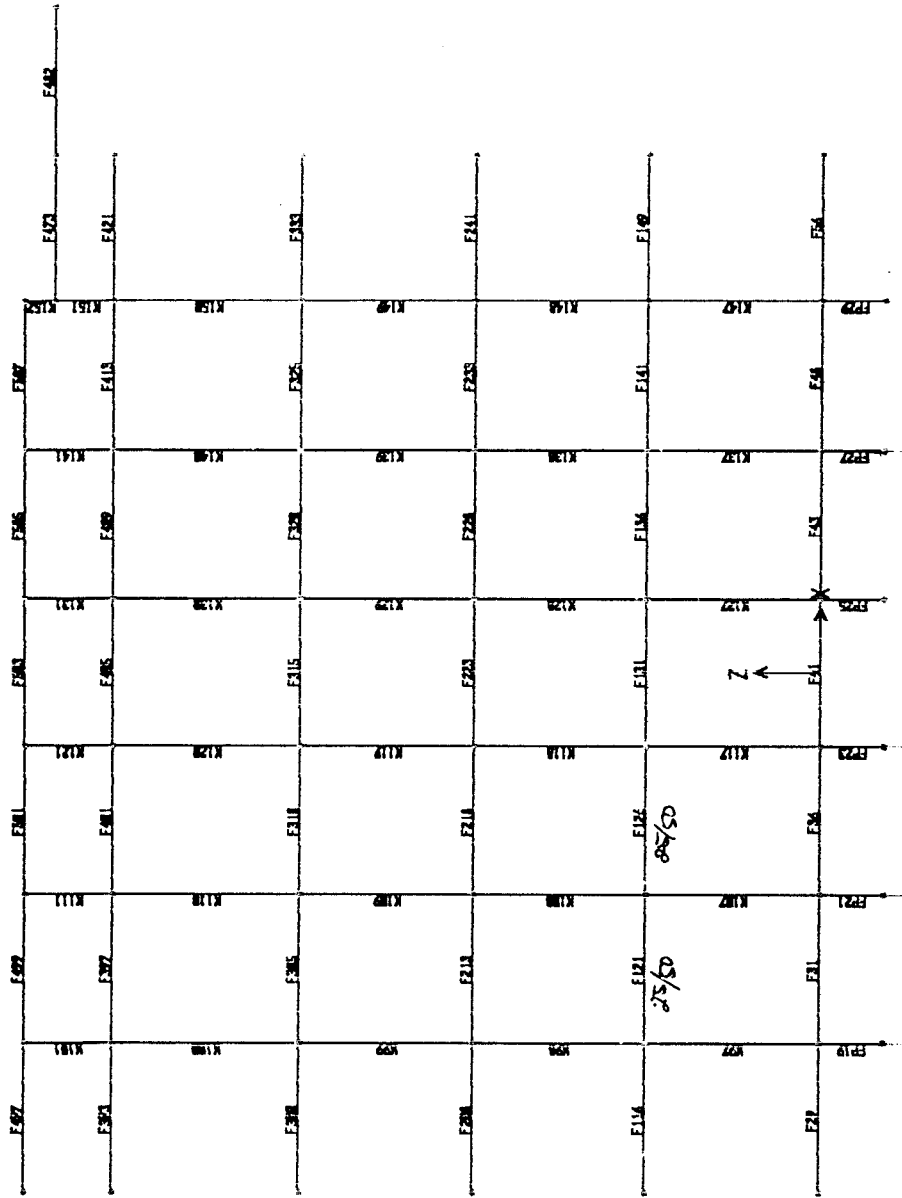


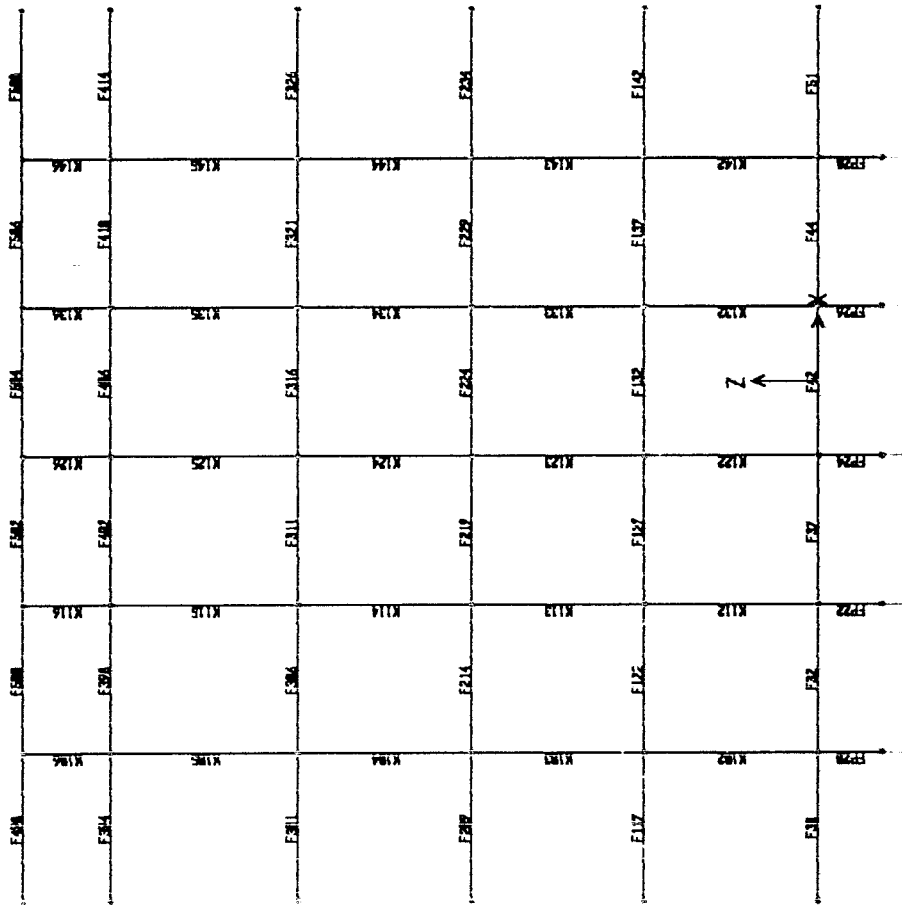


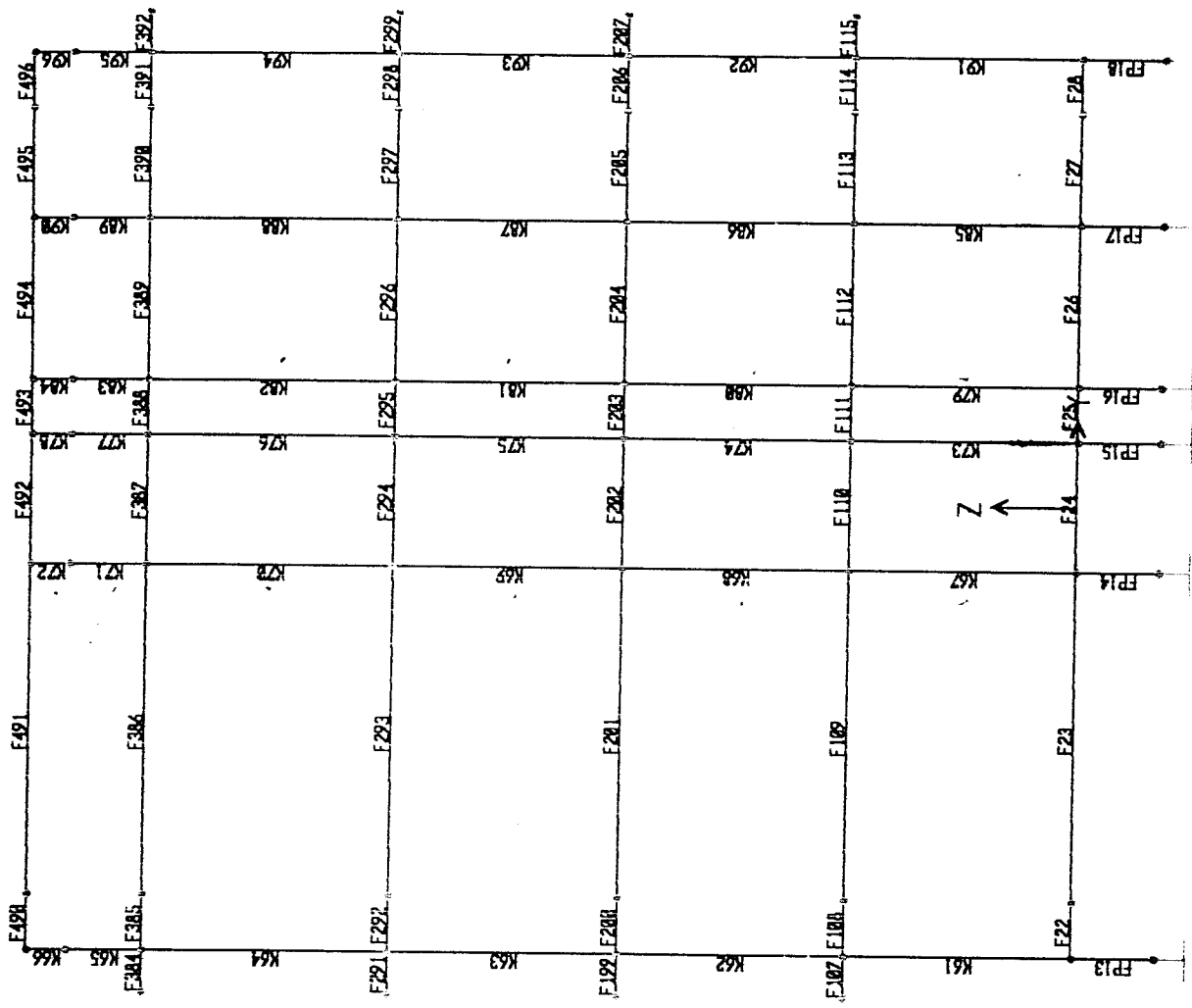


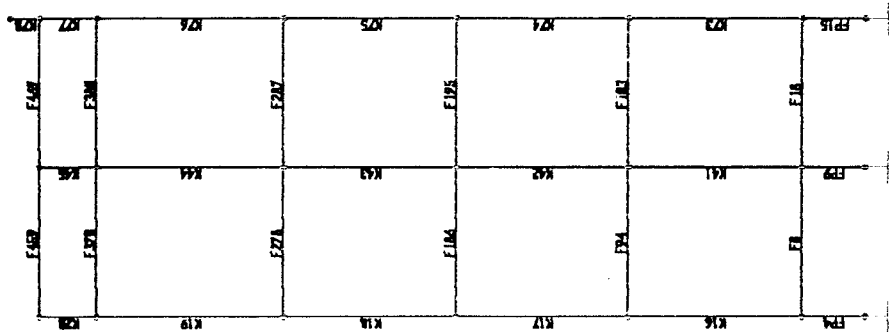
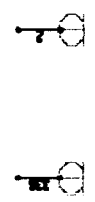
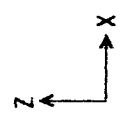
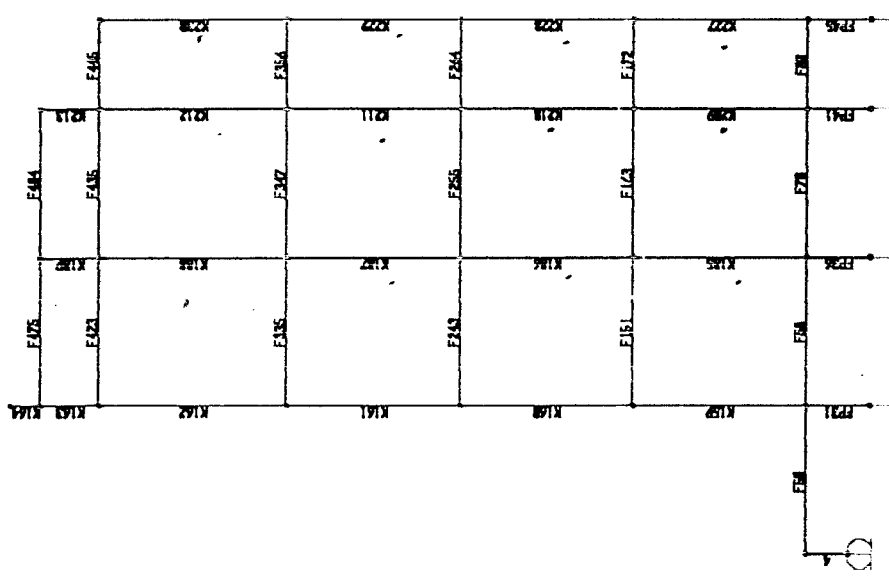


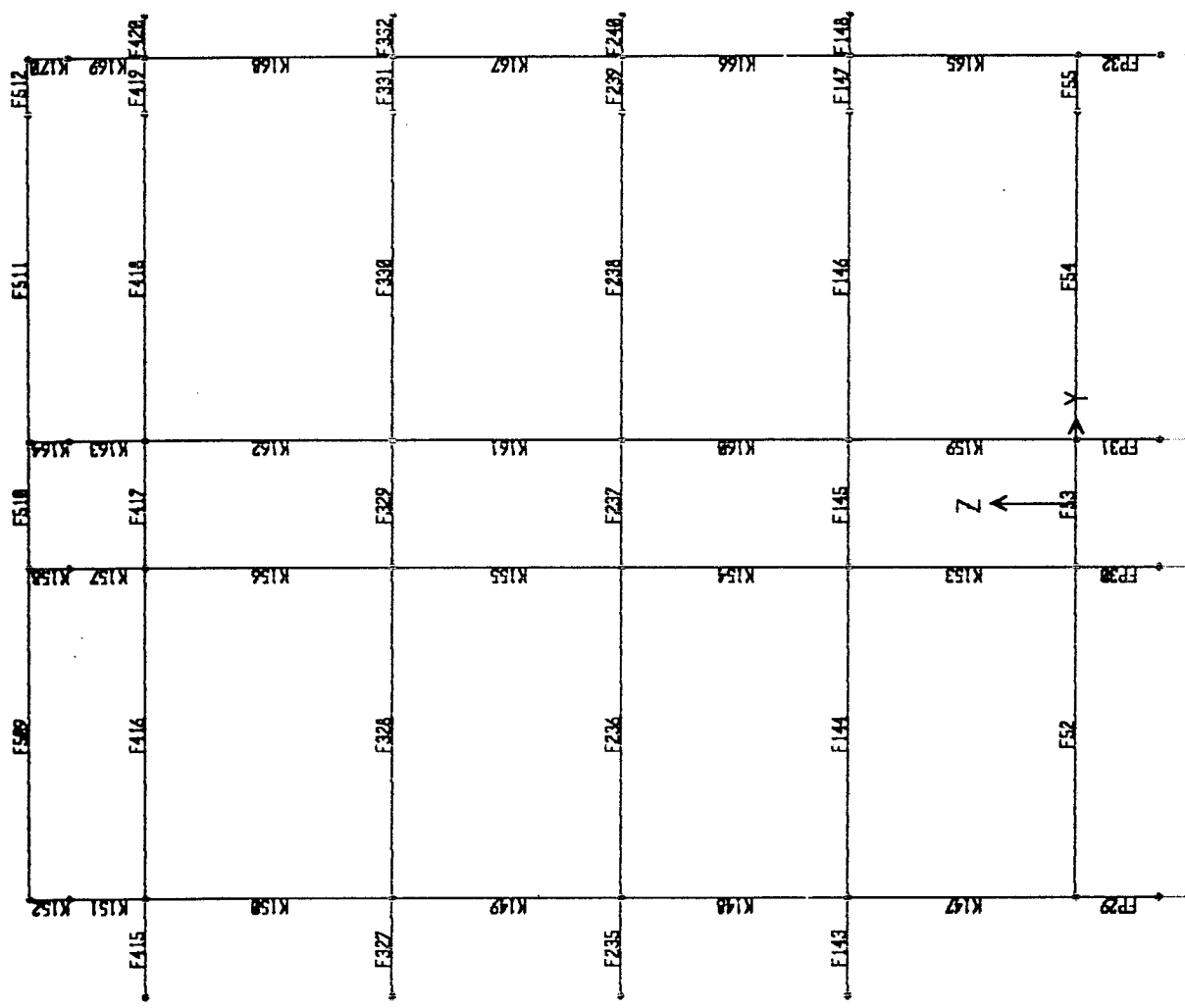


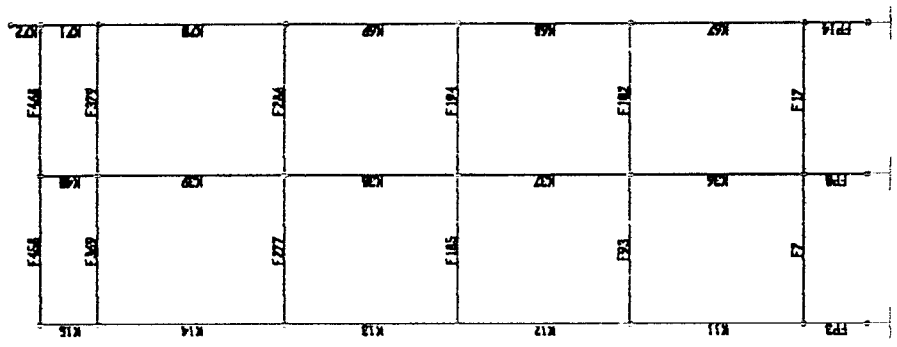
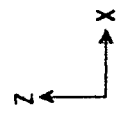
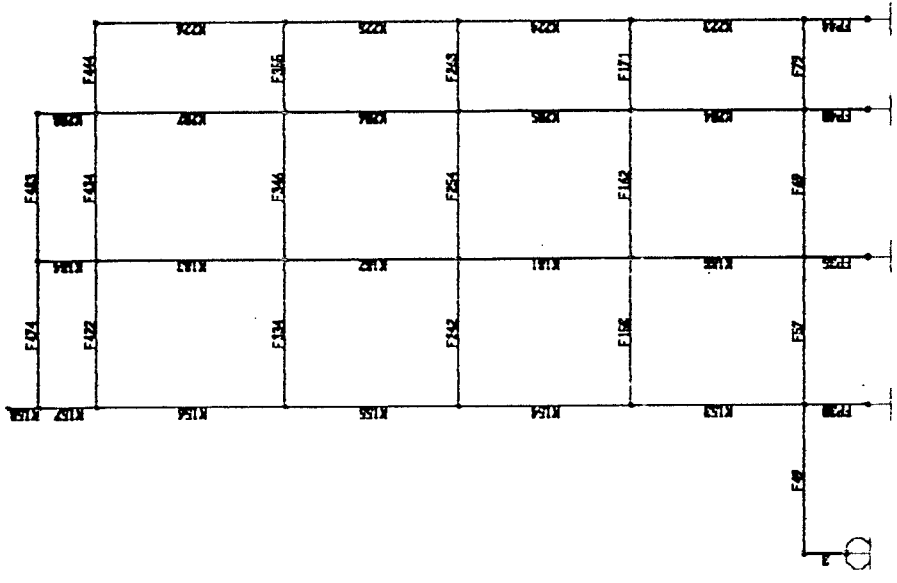












GLOBAL_X	GLOBAL_Y	GLOBAL_Z	RAINT_U1	RAINT_U2	RAINT_U3	RAINT_R1	RAINT_R2	RAINT_R3	ANG_A	ANG_B	ANG_C
-19.250	-8.050	0							0	0	0
-19.250	-5.050	0							0	0	0
-19.250	-1.150	0							0	0	0
-19.250	1.150	0							0	0	0
-19.250	5.050	0							0	0	0
-19.250	8.050	0							0	0	0
-15.750	-8.050	0							0	0	0
-15.750	-1.150	0							0	0	0
-15.750	1.150	0							0	0	0
-19.250	-8.050	0							0	0	0
-19.250	-5.050	-1.5	Y	Y					0	0	0
-19.250	-1.150	-1.5	Y	Y	Y				0	0	0
-19.250	1.150	-1.5	Y	Y	Y	Y			0	0	0
-19.250	5.050	-1.5	Y	Y	Y	Y	Y		0	0	0
-19.250	8.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
-15.750	-8.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
-15.750	-1.150	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
-15.750	1.150	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
-15.750	2.150	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
-15.750	5.050	0		Y	Y				0	0	0
-15.750	8.050	0			Y				0	0	0
-12.250	-8.050	0							0	0	0
-12.250	-7.050	0							0	0	0
-12.250	-1.150	0							0	0	0
-12.250	1.150	0							0	0	0
-12.250	2.150	0							0	0	0
-12.250	5.050	0							0	0	0
-12.250	7.050	0							0	0	0
-12.250	8.050	0							0	0	0
-8.750	-7.050	0							0	0	0
-8.750	7.050	0							0	0	0
-5.250	-7.050	0							0	0	0
-5.250	-1.150	0							0	0	0
-5.250	1.150	0							0	0	0
-5.250	7.050	0							0	0	0
-1.750	-7.050	0							0	0	0
-1.750	-1.150	0							0	0	0
-1.750	1.150	0							0	0	0
-1.750	7.050	0							0	0	0
1.750	-7.050	0							0	0	0
1.750	7.050	0							0	0	0
5.250	-7.050	0							0	0	0
5.250	-1.150	0							0	0	0
5.250	1.150	0							0	0	0
5.250	7.050	0							0	0	0
8.750	-7.050	0							0	0	0
8.750	-1.150	0							0	0	0
8.750	1.150	0							0	0	0
8.750	7.050	0							0	0	0
8.750	8.050	0							0	0	0
12.250	-11.450	0							0	0	0
12.250	-8.050	0							0	0	0
12.250	-7.050	0							0	0	0
12.250	-6.650	0							0	0	0
12.250	-1.150	0							0	0	0
12.250	1.150	0							0	0	0
12.250	8.050	0							0	0	0
15.750	-11.450	0							0	0	0
15.750	-8.050	0							0	0	0
15.750	-6.650	0							0	0	0
15.750	-1.150	0							0	0	0
15.750	1.150	0							0	0	0
15.750	6.650	0							0	0	0
15.750	8.050	0							0	0	0

	17.850	-6.650	0							0	0	0
	17.850	-1.150	0							0	0	0
	17.850	1.150	0							0	0	0
	17.850	6.650	0							0	0	0
	19.050	-11.450	0							0	0	0
	19.050	-8.050	0							0	0	0
	-19.250	-8.050	4.100							0	0	0
	-19.250	-5.050	4.100							0	0	0
	-19.250	-1.150	4.100							0	0	0
	-19.250	1.150	4.100							0	0	0
	-19.250	5.050	4.100							0	0	0
	-19.250	8.050	4.100							0	0	0
	-15.750	-8.050	4.100							0	0	0
	-15.750	-1.150	4.100							0	0	0
	-15.750	1.150	4.100							0	0	0
	-15.750	2.150	4.100							0	0	0
	-15.750	5.050	4.100							0	0	0
	-15.750	8.050	4.100							0	0	0
	-12.250	-8.800	4.100							0	0	0
	-12.250	-8.050	4.100							0	0	0
	-12.250	-7.050	4.100							0	0	0
	-12.250	-1.150	4.100							0	0	0
	-12.250	1.150	4.100							0	0	0
	-12.250	2.150	4.100							0	0	0
	-12.250	5.050	4.100							0	0	0
	-12.250	7.050	4.100							0	0	0
	-12.250	8.050	4.100							0	0	0
	-12.250	8.800	4.100							0	0	0
	-8.750	-8.800	4.100							0	0	0
	-8.750	-7.050	4.100							0	0	0
	-8.750	7.050	4.100							0	0	0
	-8.750	8.800	4.100							0	0	0
	-5.250	-8.800	4.100							0	0	0
	-5.250	-7.050	4.100							0	0	0
	-5.250	7.050	4.100							0	0	0
	-5.250	8.800	4.100							0	0	0
	-1.750	-8.800	4.100							0	0	0
	-1.750	-7.050	4.100							0	0	0
	-1.750	7.050	4.100							0	0	0
	-1.750	8.800	4.100							0	0	0
	1.750	-8.800	4.100							0	0	0
	1.750	-7.050	4.100							0	0	0
	1.750	7.050	4.100							0	0	0
	1.750	8.800	4.100							0	0	0
	-15.750	2.150	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	-15.750	5.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	-15.750	8.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	-12.250	-8.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	-12.250	-1.150	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	-12.250	1.150	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	-12.250	2.150	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	-12.250	5.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
1	-12.250	8.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
1	-8.750	-7.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
1	-8.750	7.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
1	-5.250	-7.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
2	-5.250	7.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
3	-1.750	-7.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
4	-1.750	7.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
5	1.750	-7.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
6	1.750	7.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
7	5.250	-7.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
8	5.250	7.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
9	8.750	-7.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
10	8.750	-1.150	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
11	8.750	1.150	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
12	8.750	8.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0

	12.250	-11.450	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	12.250	-8.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	12.250	-1.150	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	12.250	1.150	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	12.250	8.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	15.750	-11.450	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	15.750	-8.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	15.750	-1.150	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	15.750	1.150	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	15.750	8.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	17.850	-6.650	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	17.850	-1.150	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	17.850	1.150	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	17.850	6.650	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	19.050	-11.450	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	19.050	-8.050	-1.5	Y	Y	Y	Y	Y	Y	0	0	0
	5.250	-8.800	4.100							0	0	0
	5.250	-7.050	4.100							0	0	0
	5.250	7.050	4.100							0	0	0
	5.250	8.800	4.100							0	0	0
	8.750	-8.800	4.100							0	0	0
	8.750	-7.050	4.100							0	0	0
	8.750	-1.150	4.100							0	0	0
	8.750	1.150	4.100							0	0	0
	8.750	7.050	4.100							0	0	0
	8.750	8.050	4.100							0	0	0
	8.750	8.800	4.100							0	0	0
	12.250	-11.450	4.100							0	0	0
	12.250	-8.050	4.100							0	0	0
	12.250	-7.050	4.100							0	0	0
	12.250	-6.650	4.100							0	0	0
	12.250	-1.150	4.100							0	0	0
	12.250	1.150	4.100							0	0	0
	12.250	8.050	4.100							0	0	0
	15.750	-11.450	4.100							0	0	0
	15.750	-8.050	4.100							0	0	0
	15.750	-6.650	4.100							0	0	0
	15.750	-1.150	4.100							0	0	0
	15.750	1.150	4.100							0	0	0
	15.750	6.650	4.100							0	0	0
	15.750	8.050	4.100							0	0	0
	17.850	-6.650	4.100							0	0	0
	17.850	-1.150	4.100							0	0	0
	17.850	1.150	4.100							0	0	0
	17.850	6.650	4.100							0	0	0
	19.050	-11.450	4.100							0	0	0
	19.050	-8.050	4.100							0	0	0
	-19.250	-8.050	8.200							0	0	0
	-19.250	-5.050	8.200							0	0	0
	-19.250	-1.150	8.200							0	0	0
	-19.250	1.150	8.200							0	0	0
	-19.250	5.050	8.200							0	0	0
	-19.250	8.050	8.200							0	0	0
	-15.750	-8.050	8.200							0	0	0
	-15.750	-1.150	8.200							0	0	0
	-15.750	1.150	8.200							0	0	0
	-15.750	2.150	8.200							0	0	0
	-15.750	5.050	8.200							0	0	0
	-15.750	8.050	8.200							0	0	0
	-12.250	-8.800	8.200							0	0	0
	-12.250	-8.050	8.200							0	0	0
	-12.250	-7.050	8.200							0	0	0
	-12.250	-1.150	8.200							0	0	0
	-12.250	1.150	8.200							0	0	0
	-12.250	2.150	8.200							0	0	0
	-12.250	5.050	8.200							0	0	0
	-12.250	7.050	8.200							0	0	0

	-12.250	8.050	8.200	0	0	0
	-12.250	8.800	8.200	0	0	0
	-8.750	-8.800	8.200	0	0	0
	8.750	7.050	8.200	0	0	0
	-8.750	7.050	8.200	0	0	0
	-8.750	8.800	8.200	0	0	0
	-5.250	-8.800	8.200	0	0	0
	-5.250	-7.050	8.200	0	0	0
	-5.250	7.050	8.200	0	0	0
	-5.250	8.800	8.200	0	0	0
	-1.750	-8.800	8.200	0	0	0
	-1.750	-7.050	8.200	0	0	0
	-1.750	7.050	8.200	0	0	0
	-1.750	8.800	8.200	0	0	0
	1.750	-8.800	8.200	0	0	0
	1.750	-7.050	8.200	0	0	0
	1.750	7.050	8.200	0	0	0
	1.750	8.800	8.200	0	0	0
	5.250	-8.800	8.200	0	0	0
	5.250	-7.050	8.200	0	0	0
	5.250	7.050	8.200	0	0	0
	5.250	8.800	8.200	0	0	0
	8.750	-8.800	8.200	0	0	0
	8.750	-7.050	8.200	0	0	0
	8.750	-1.150	8.200	0	0	0
	8.750	1.150	8.200	0	0	0
	8.750	7.050	8.200	0	0	0
	8.750	8.050	8.200	0	0	0
	8.750	8.800	8.200	0	0	0
	12.250	-11.450	8.200	0	0	0
	12.250	-8.050	8.200	0	0	0
	12.250	-7.050	8.200	0	0	0
	12.250	-6.650	8.200	0	0	0
	12.250	-1.150	8.200	0	0	0
	12.250	1.150	8.200	0	0	0
	12.250	8.050	8.200	0	0	0
	15.750	-11.450	8.200	0	0	0
	15.750	-8.050	8.200	0	0	0
	15.750	-6.650	8.200	0	0	0
	15.750	-1.150	8.200	0	0	0
	15.750	1.150	8.200	0	0	0
	15.750	6.650	8.200	0	0	0
	15.750	8.050	8.200	0	0	0
	17.850	-6.650	8.200	0	0	0
	17.850	-1.150	8.200	0	0	0
	17.850	1.150	8.200	0	0	0
	17.850	6.650	8.200	0	0	0
	19.050	-11.450	8.200	0	0	0
	19.050	-8.050	8.200	0	0	0
1	-19.250	-8.050	12.300	0	0	0
1	-19.250	-5.050	12.300	0	0	0
1	-19.250	-1.150	12.300	0	0	0
1	-19.250	1.150	12.300	0	0	0
1	-19.250	5.050	12.300	0	0	0
1	-19.250	8.050	12.300	0	0	0
1	-15.750	-8.050	12.300	0	0	0
1	-15.750	-1.150	12.300	0	0	0
1	-15.750	1.150	12.300	0	0	0
1	-15.750	2.150	12.300	0	0	0
1	-15.750	5.050	12.300	0	0	0
1	-15.750	8.050	12.300	0	0	0
2	-12.250	-8.800	12.300	0	0	0
3	-12.250	-8.050	12.300	0	0	0
4	-12.250	-7.050	12.300	0	0	0
5	-12.250	-1.150	12.300	0	0	0
6	-12.250	1.150	12.300	0	0	0
7	-12.250	2.150	12.300	0	0	0

-12.250	5.050	12.300	0	0	0
-12.250	7.050	12.300	0	0	0
-12.250	8.050	12.300	0	0	0
-12.250	8.800	12.300	0	0	0
-8.750	-8.800	12.300	0	0	0
-8.750	-7.050	12.300	0	0	0
-8.750	7.050	12.300	0	0	0
-8.750	8.800	12.300	0	0	0
-5.250	-8.800	12.300	0	0	0
-5.250	-7.050	12.300	0	0	0
-5.250	7.050	12.300	0	0	0
-5.250	8.800	12.300	0	0	0
-1.750	-8.800	12.300	0	0	0
-1.750	-7.050	12.300	0	0	0
-1.750	7.050	12.300	0	0	0
-1.750	8.800	12.300	0	0	0
1.750	-8.800	12.300	0	0	0
1.750	-7.050	12.300	0	0	0
1.750	7.050	12.300	0	0	0
1.750	8.800	12.300	0	0	0
5.250	-8.800	12.300	0	0	0
5.250	-7.050	12.300	0	0	0
5.250	7.050	12.300	0	0	0
5.250	8.800	12.300	0	0	0
8.750	-8.800	12.300	0	0	0
8.750	-7.050	12.300	0	0	0
8.750	-1.150	12.300	0	0	0
8.750	1.150	12.300	0	0	0
8.750	7.050	12.300	0	0	0
8.750	8.050	12.300	0	0	0
8.750	8.800	12.300	0	0	0
12.250	-11.450	12.300	0	0	0
12.250	-8.050	12.300	0	0	0
12.250	-7.050	12.300	0	0	0
12.250	-6.650	12.300	0	0	0
12.250	-1.150	12.300	0	0	0
12.250	1.150	12.300	0	0	0
12.250	8.050	12.300	0	0	0
15.750	-11.450	12.300	0	0	0
15.750	-8.050	12.300	0	0	0
15.750	-6.650	12.300	0	0	0
15.750	-1.150	12.300	0	0	0
15.750	1.150	12.300	0	0	0
15.750	6.650	12.300	0	0	0
15.750	8.050	12.300	0	0	0
17.850	-6.650	12.300	0	0	0
17.850	-1.150	12.300	0	0	0
17.850	1.150	12.300	0	0	0
17.850	6.650	12.300	0	0	0
19.050	-11.450	12.300	0	0	0
19.050	-8.050	12.300	0	0	0
-19.250	-8.050	16.650	0	0	0
-19.250	-5.050	16.650	0	0	0
-19.250	-1.150	16.650	0	0	0
-19.250	1.150	16.650	0	0	0
-19.250	5.050	16.650	0	0	0
-19.250	8.050	16.650	0	0	0
-15.750	-8.050	16.650	0	0	0
-15.750	-1.150	16.650	0	0	0
-15.750	1.150	16.650	0	0	0
-15.750	2.150	16.650	0	0	0
-15.750	5.050	16.650	0	0	0
-15.750	8.050	16.650	0	0	0
-12.250	-8.800	16.650	0	0	0
-12.250	-8.050	16.650	0	0	0
-12.250	-7.050	16.650	0	0	0
-12.250	-1.150	16.650	0	0	0

	-12.250	1.150	16.650	0	0	0
	-12.250	2.150	16.650	0	0	0
	-12.250	5.050	16.650	0	0	0
	-12.250	7.050	16.650	0	0	0
	-12.250	8.050	16.650	0	0	0
	-12.250	8.800	16.650	0	0	0
	-8.750	-8.800	16.650	0	0	0
	-8.750	-7.050	16.650	0	0	0
	-8.750	7.050	16.650	0	0	0
	-8.750	8.800	16.650	0	0	0
	-5.250	-8.800	16.650	0	0	0
	-5.250	-7.050	16.650	0	0	0
	-5.250	7.050	16.650	0	0	0
	-5.250	8.800	16.650	0	0	0
	-1.750	-8.800	16.650	0	0	0
	-1.750	-7.050	16.650	0	0	0
	-1.750	7.050	16.650	0	0	0
	-1.750	8.800	16.650	0	0	0
	1.750	-8.800	16.650	0	0	0
	1.750	-7.050	16.650	0	0	0
	1.750	7.050	16.650	0	0	0
	1.750	8.800	16.650	0	0	0
	5.250	-8.800	16.650	0	0	0
	5.250	-7.050	16.650	0	0	0
	5.250	7.050	16.650	0	0	0
	5.250	8.800	16.650	0	0	0
	8.750	-8.800	16.650	0	0	0
	8.750	-7.050	16.650	0	0	0
	8.750	-1.150	16.650	0	0	0
	8.750	1.150	16.650	0	0	0
	8.750	7.050	16.650	0	0	0
	8.750	8.050	16.650	0	0	0
	8.750	8.800	16.650	0	0	0
	12.250	-11.450	16.650	0	0	0
	12.250	-8.050	16.650	0	0	0
	12.250	-7.050	16.650	0	0	0
	12.250	-6.650	16.650	0	0	0
	12.250	-1.150	16.650	0	0	0
	12.250	1.150	16.650	0	0	0
	12.250	8.050	16.650	0	0	0
	15.750	-11.450	16.650	0	0	0
	15.750	-8.050	16.650	0	0	0
	15.750	-6.650	16.650	0	0	0
	15.750	-1.150	16.650	0	0	0
	15.750	1.150	16.650	0	0	0
	15.750	6.650	16.650	0	0	0
	15.750	8.050	16.650	0	0	0
	17.850	-6.650	16.650	0	0	0
1	17.850	-1.150	16.650	0	0	0
1	17.850	1.150	16.650	0	0	0
1	17.850	6.650	16.650	0	0	0
5	19.050	-11.450	16.650	0	0	0
7	19.050	-8.050	16.650	0	0	0
3	-19.250	-8.050	18	0	0	0
3	-19.250	-5.050	18	0	0	0
3	-19.250	-1.150	18	0	0	0
1	-19.250	1.150	18	0	0	0
2	-19.250	5.050	18	0	0	0
3	-19.250	8.050	18	0	0	0
4	-15.750	-8.050	18	0	0	0
5	-15.750	-1.150	18	0	0	0
6	-15.750	1.150	18	0	0	0
7	-15.750	2.150	18	0	0	0
18	-15.750	5.050	18	0	0	0
19	-15.750	8.050	18	0	0	0
10	-12.250	-8.050	18	0	0	0
11	-12.250	-1.150	18	0	0	0

-12.250	1.150	18		0	0	0
-12.250	2.150	18		0	0	0
-12.250	5.050	18		0	0	0
-12.250	8.050	18		0	0	0
8.750	-7.050	18		0	0	0
8.750	-1.150	18		0	0	0
8.750	1.150	18		0	0	0
8.750	8.050	18		0	0	0
12.250	-8.050	18		0	0	0
12.250	-7.050	18		0	0	0
12.250	-1.150	18		0	0	0
12.250	1.150	18		0	0	0
12.250	8.050	18		0	0	0
15.750	-8.050	18		0	0	0
15.750	-7.050	18		0	0	0
15.750	-1.150	18		0	0	0
15.750	1.150	18		0	0	0
15.750	8.050	18		0	0	0
-12.250	-8.050	18.700		0	0	0
-12.250	-7.050	18.700		0	0	0
-12.250	-1.150	18.700		0	0	0
-12.250	1.150	18.700		0	0	0
-12.250	2.150	18.700		0	0	0
-12.250	5.050	18.700		0	0	0
-12.250	7.050	18.700		0	0	0
-12.250	8.050	18.700		0	0	0
-8.750	-7.050	18.700		0	0	0
-8.750	7.050	18.700		0	0	0
-5.250	-7.050	18.700		0	0	0
-5.250	7.050	18.700		0	0	0
-1.750	-7.050	18.700		0	0	0
-1.750	7.050	18.700		0	0	0
1.750	-7.050	18.700		0	0	0
1.750	7.050	18.700		0	0	0
5.250	-7.050	18.700		0	0	0
5.250	7.050	18.700		0	0	0
8.750	-7.050	18.700		0	0	0
8.750	-1.150	18.700		0	0	0
8.750	1.150	18.700		0	0	0
8.750	7.050	18.700		0	0	0
8.750	8.050	18.700		0	0	0
-5.250	-1.150	-1	Y	0	0	0
-5.250	1.150	-1	Y	0	0	0
-1.750	-1.150	-1	Y	0	0	0
-1.750	1.150	-1	Y	0	0	0
5.250	-1.150	-1	Y	0	0	0
5.250	1.150	-1	Y	0	0	0

FRAME
PPORTAL RS. BETHESDA JOGJAKARTA

FRAME	JOINT_I	JOINT_J	SECTION	LOC	REL	REL	REL	REL	REL	REL	SEG	IOFF SET	JOFF SET	RIGI	LENGTH	
				AL_A NG	EAS E_P	EAS E_V2	EAS E_V3	EAS E_T	EAS E_M2	EAS E_M3	MEN TS			D_FA CTO		
F119	J85	J86	B35X80	0								4	0	0	1	14.100
F124	J89	J90	B35X80	0								4	0	0	1	14.100
F129	J93	J94	B35X80	0								4	0	0	1	14.100
F134	J97	J98	B35X80	0								4	0	0	1	14.100
F139	J101	J102	B35X80	0								4	0	0	1	14.100
F211	J154	J155	B35X80	0								4	0	0	1	14.100
F216	J158	J159	B35X80	0								4	0	0	1	14.100
F221	J162	J163	B35X80	0								4	0	0	1	14.100
F226	J166	J167	B35X80	0								4	0	0	1	14.100
F231	J170	J171	B35X80	0								4	0	0	1	14.100
F303	J223	J224	B35X80	0								4	0	0	1	14.100
F308	J227	J228	B35X80	0								4	0	0	1	14.100
F313	J231	J232	B35X80	0								4	0	0	1	14.100
F318	J235	J236	B35X80	0								4	0	0	1	14.100
F323	J239	J240	B35X80	0								4	0	0	1	14.100

FRAME	JOINT_I	JOINT_J	SECTION	LOC	REL	REL	REL	REL	REL	REL	SEG	IOFF SET	JOFF SET	RIGI	LENGTH	
				AL_A NG	EAS E_P	EAS E_V2	EAS E_V3	EAS E_T	EAS E_M2	EAS E_M3	MEN TS			D_FA CTO		
F11	J7	J8	B25X50	0								4	0	0	1	6.900
F65	J47	J48	B25X50	0								4	0	0	1	6.900
F97	J68	J69	B25X50	0								4	0	0	1	6.900
F158	J116	J117	B25X50	0								4	0	0	1	6.900
F189	J137	J138	B25X50	0								4	0	0	1	6.900
F250	J185	J186	B25X50	0								4	0	0	1	6.900
F281	J206	J207	B25X50	0								4	0	0	1	6.900
F342	J254	J255	B25X50	0								4	0	0	1	6.900
F373	J275	J276	B25X50	0								4	0	0	1	6.900
F430	J323	J324	B25X50	0								4	0	0	1	6.900
F462	J344	J345	B20X40	0								4	0	0	1	6.900
F480	J363	J364	B20X40	0								4	0	0	1	6.900
F489	J368	J369	B20X40	0								4	0	0	1	6.900

FRAME	JOINT_I	JOINT_J	SECTION	LOC	REL	REL	REL	REL	REL	REL	SEG	IOFF SET	JOFF SET	RIGI	LENGTH	
				AL_A NG	EAS E_P	EAS E_V2	EAS E_V3	EAS E_T	EAS E_M2	EAS E_M3	MEN TS			D_FA CTO		
F23	J14	J15	B25X50	0								4	0	0	1	5.900
F33	J23	J24	B25X50	0								4	0	0	1	5.900
F35	J25	J26	B25X50	0								4	0	0	1	5.900
F38	J27	J28	B25X50	0								4	0	0	1	5.900
F40	J29	J30	B25X50	0								4	0	0	1	5.900
F45	J33	J34	B25X50	0								4	0	0	1	5.900
F47	J35	J36	B25X50	0								4	0	0	1	5.900
F52	J38	J37	B25X50	0								4	0	0	1	5.900
F54	J40	J39	B25X50	0								4	0	0	1	5.900
F109	J76	J77	B25X50	0								4	0	0	1	5.900
F144	J106	J105	B25X50	0								4	0	0	1	5.900
F146	J108	J107	B25X50	0								4	0	0	1	5.900
F201	J145	J146	B25X50	0								4	0	0	1	5.900
F236	J175	J174	B25X50	0								4	0	0	1	5.900
F238	J177	J176	B25X50	0								4	0	0	1	5.900
F293	J214	J215	B25X50	0								4	0	0	1	5.900
F328	J244	J243	B25X50	0								4	0	0	1	5.900
F330	J246	J245	B25X50	0								4	0	0	1	5.900
F386	J283	J284	B25X50	0								4	0	0	1	5.900
F416	J313	J312	B25X50	0								4	0	0	1	5.900
F418	J315	J314	B25X50	0								4	0	0	1	5.900
F478	J361	J362	B20X40	0								4	0	0	1	5.900
F487	J366	J367	B20X40	0								4	0	0	1	5.900

FRAME
PPORTAL RS. BETHESDA JOGJAKARTA

FRAME	JOINT_I	JOINT_J	SECTION	LOC AL_A NG	REL EAS E_P	REL EAS E_V2	REL EAS E_V3	REL EAS E_T	REL EAS E_M2	REL EAS E_M3	SEG MEN TS	IOFF SET	JOFF SET	RIGI	LENGTH	
														D_FA CTO R		
F63	J45	J46	B25X50	0								4	0	0	1	5.500
F74	J52	J51	B25X50	0								4	0	0	1	5.500
F76	J54	J53	B25X50	0								4	0	0	1	5.500
F84	J57	J56	B25X50	0								4	0	0	1	5.500
F85	J59	J58	B25X50	0								4	0	0	1	5.500
F156	J114	J115	B25X50	0								4	0	0	1	5.500
F166	J121	J120	B25X50	0								4	0	0	1	5.500
F168	J123	J122	B25X50	0								4	0	0	1	5.500
F176	J126	J125	B25X50	0								4	0	0	1	5.500
F177	J128	J127	B25X50	0								4	0	0	1	5.500
F248	J183	J184	B25X50	0								4	0	0	1	5.500
F258	J190	J189	B25X50	0								4	0	0	1	5.500
F260	J192	J191	B25X50	0								4	0	0	1	5.500
F268	J195	J194	B25X50	0								4	0	0	1	5.500
F269	J197	J196	B25X50	0								4	0	0	1	5.500
F340	J252	J253	B25X50	0								4	0	0	1	5.500
F350	J259	J258	B25X50	0								4	0	0	1	5.500
F352	J261	J260	B25X50	0								4	0	0	1	5.500
F360	J264	J263	B25X50	0								4	0	0	1	5.500
F361	J266	J265	B25X50	0								4	0	0	1	5.500
F428	J321	J322	B25X50	0								4	0	0	1	5.500
F439	J328	J327	B25X50	0								4	0	0	1	5.500
F441	J330	J329	B25X50	0								4	0	0	1	5.500
F449	J333	J332	B20X40	0								4	0	0	1	5.500
F450	J335	J334	B20X40	0								4	0	0	1	5.500

FRAME	JOINT_I	JOINT_J	SECTION	LOC AL_A NG	REL EAS E_P	REL EAS E_V2	REL EAS E_V3	REL EAS E_T	REL EAS E_M2	REL EAS E_M3	SEG MEN TS	IOFF SET	JOFF SET	RIGI	LENGTH	
														D_FA CTO R		
K4	J200	J269	K60X40	0								2	0	0	1	4.350
K9	J270	J201	K60X40	0								2	0	0	1	4.350
K14	J202	J271	K60X40	0								2	0	0	1	4.350
K19	J203	J272	K60X40	0								2	0	0	1	4.350
K24	J204	J273	K60X40	0								2	0	0	1	4.350
K29	J205	J274	K60X40	0								2	0	0	1	4.350
K34	J206	J275	K60X40	0								2	0	0	1	4.350
K39	J207	J276	K60X40	0								2	0	0	1	4.350
K44	J208	J277	K60X40	0								2	0	0	1	4.350
K49	J209	J278	K60X40	0								2	0	0	1	4.350
K54	J210	J279	K60X40	0								2	0	0	1	4.350
K59	J211	J280	K60X40	0								2	0	0	1	4.350
K64	J213	J282	K60X40	0								2	0	0	1	4.350
K70	J215	J284	K60X40	0								2	0	0	1	4.350
K76	J216	J285	K60X40	0								2	0	0	1	4.350
K82	J217	J286	K60X40	0								2	0	0	1	4.350
K88	J218	J287	K60X40	0								2	0	0	1	4.350
K94	J220	J289	K60X40	0								2	0	0	1	4.350
K100	J223	J292	K80X40	0								2	0	0	1	4.350
K105	J293	J224	K80X40	0								2	0	0	1	4.350
K110	J227	J296	K80X40	0								2	0	0	1	4.350
K115	J297	J228	K80X40	0								2	0	0	1	4.350
K120	J231	J300	K80X40	0								2	0	0	1	4.350
K125	J301	J232	K80X40	0								2	0	0	1	4.350
K130	J304	J235	K80X40	0								2	0	0	1	4.350
K135	J305	J236	K80X40	0								2	0	0	1	4.350
K140	J239	J308	K80X40	0								2	0	0	1	4.350
K145	J309	J240	K80X40	0								2	0	0	1	4.350
K150	J243	J312	K60X40	0								2	0	0	1	4.350
K156	J313	J244	K60X40	0								2	0	0	1	4.350
K162	J314	J245	K60X40	0								2	0	0	1	4.350
K168	J316	J247	K60X40	0								2	0	0	1	4.350
K174	J249	J318	K60X40	0								2	0	0	1	4.350
K178	J250	J319	K60X40	0								2	0	0	1	4.350

FRAME
PPORTAL RS. BETHESDA JOGJAKARTA

K183	J253	J322	K60X40	0	2	0	0	0	1	4.350
K188	J254	J323	K60X40	0	2	0	0	0	1	4.350
K193	J255	J324	K60X40	0	2	0	0	0	1	4.350
K198	J256	J325	K60X40	0	2	0	0	0	1	4.350
K202	J257	J326	K60X40	0	2	0	0	0	1	4.350
K207	J259	J328	K60X40	0	2	0	0	0	1	4.350
K212	J260	J329	K60X40	0	2	0	0	0	1	4.350
K217	J262	J331	K60X40	0	2	0	0	0	1	4.350
K222	J263	J332	K60X40	0	2	0	0	0	1	4.350
K226	J264	J333	K60X40	0	2	0	0	0	1	4.350
K230	J265	J334	K60X40	0	2	0	0	0	1	4.350
K234	J266	J335	K60X40	0	2	0	0	0	1	4.350
K238	J267	J336	K60X40	0	2	0	0	0	1	4.350
K242	J268	J337	K60X40	0	2	0	0	0	1	4.350

FRAME	JOINT_I	JOINT_J	SECTION	LOC	REL	REL	REL	REL	REL	REL	SEG	IOFF	JOFF	RIGI	LENGTH	
				AL_A	EAS	EAS	EAS	EAS	EAS	EAS	MEN	SET	SET	D_FA		
				NG	E_P	E_V2	E_V3	E_T	E_M2	E_M3	TS			CTO		
														B		
K1	J62	J1	K60X40	0							2	0	0	0	1	4.100
K2	J131	J62	K60X40	0							2	0	0	0	1	4.100
K3	J200	J131	K60X40	0							2	0	0	0	1	4.100
K6	J63	J2	K60X40	0							2	0	0	0	1	4.100
K7	J132	J63	K60X40	0							2	0	0	0	1	4.100
K8	J201	J132	K60X40	0							2	0	0	0	1	4.100
K11	J64	J3	K60X40	0							2	0	0	0	1	4.100
K12	J133	J64	K60X40	0							2	0	0	0	1	4.100
K13	J202	J133	K60X40	0							2	0	0	0	1	4.100
K16	J65	J4	K60X40	0							2	0	0	0	1	4.100
K17	J134	J65	K60X40	0							2	0	0	0	1	4.100
K18	J203	J134	K60X40	0							2	0	0	0	1	4.100
K21	J66	J5	K60X40	0							2	0	0	0	1	4.100
K22	J135	J66	K60X40	0							2	0	0	0	1	4.100
K23	J204	J135	K60X40	0							2	0	0	0	1	4.100
K26	J67	J6	K60X40	0							2	0	0	0	1	4.100
K27	J136	J67	K60X40	0							2	0	0	0	1	4.100
K28	J205	J136	K60X40	0							2	0	0	0	1	4.100
K31	J68	J7	K60X40	0							2	0	0	0	1	4.100
K32	J137	J68	K60X40	0							2	0	0	0	1	4.100
K33	J206	J137	K60X40	0							2	0	0	0	1	4.100
K36	J69	J8	K60X40	0							2	0	0	0	1	4.100
K37	J138	J69	K60X40	0							2	0	0	0	1	4.100
K38	J207	J138	K60X40	0							2	0	0	0	1	4.100
K41	J70	J9	K60X40	0							2	0	0	0	1	4.100
K42	J139	J70	K60X40	0							2	0	0	0	1	4.100
K43	J208	J139	K60X40	0							2	0	0	0	1	4.100
K46	J71	J10	K60X40	0							2	0	0	0	1	4.100
K47	J140	J71	K60X40	0							2	0	0	0	1	4.100
K48	J209	J140	K60X40	0							2	0	0	0	1	4.100
K51	J72	J11	K60X40	0							2	0	0	0	1	4.100
K52	J141	J72	K60X40	0							2	0	0	0	1	4.100
K53	J210	J141	K60X40	0							2	0	0	0	1	4.100
K56	J73	J12	K60X40	0							2	0	0	0	1	4.100
K57	J142	J73	K60X40	0							2	0	0	0	1	4.100
K58	J211	J142	K60X40	0							2	0	0	0	1	4.100
K61	J75	J13	K60X40	0							2	0	0	0	1	4.100
K62	J144	J75	K60X40	0							2	0	0	0	1	4.100
K63	J213	J144	K60X40	0							2	0	0	0	1	4.100
K67	J77	J15	K60X40	0							2	0	0	0	1	4.100
K68	J146	J77	K60X40	0							2	0	0	0	1	4.100
K69	J215	J146	K60X40	0							2	0	0	0	1	4.100
K73	J78	J16	K60X40	0							2	0	0	0	1	4.100
K74	J147	J78	K60X40	0							2	0	0	0	1	4.100
K75	J216	J147	K60X40	0							2	0	0	0	1	4.100
K79	J79	J17	K60X40	0							2	0	0	0	1	4.100
K80	J148	J79	K60X40	0							2	0	0	0	1	4.100
K81	J217	J148	K60X40	0							2	0	0	0	1	4.100
K85	J80	J18	K60X40	0							2	0	0	0	1	4.100

FRAME
PPORTAL RS. BETHESDA JOGJAKARTA

K86	J149	J80	K60X40	0	2	0	0	1	4.100
K87	J218	J149	K60X40	0	2	0	0	1	4.100
K91	J82	J20	K60X40	0	2	0	0	1	4.100
K92	J151	J82	K60X40	0	2	0	0	1	4.100
K93	J220	J151	K60X40	0	2	0	0	1	4.100
K97	J85	J21	K80X40	0	2	0	0	1	4.100
K98	J154	J85	K80X40	0	2	0	0	1	4.100
K99	J223	J154	K80X40	0	2	0	0	1	4.100
K102	J86	J22	K80X40	0	2	0	0	1	4.100
K103	J155	J86	K80X40	0	2	0	0	1	4.100
K104	J224	J155	K80X40	0	2	0	0	1	4.100
K107	J89	J23	K80X40	0	2	0	0	1	4.100
K108	J158	J89	K80X40	0	2	0	0	1	4.100
K109	J227	J158	K80X40	0	2	0	0	1	4.100
K112	J90	J26	K80X40	0	2	0	0	1	4.100
K113	J159	J90	K80X40	0	2	0	0	1	4.100
K114	J228	J159	K80X40	0	2	0	0	1	4.100
K117	J93	J27	K80X40	0	2	0	0	1	4.100
K118	J162	J93	K80X40	0	2	0	0	1	4.100
K119	J231	J162	K80X40	0	2	0	0	1	4.100
K122	J94	J30	K80X40	0	2	0	0	1	4.100
K123	J163	J94	K80X40	0	2	0	0	1	4.100
K124	J232	J163	K80X40	0	2	0	0	1	4.100
K127	J97	J31	K80X40	0	2	0	0	1	4.100
K128	J166	J97	K80X40	0	2	0	0	1	4.100
K129	J235	J166	K80X40	0	2	0	0	1	4.100
K132	J98	J32	K80X40	0	2	0	0	1	4.100
K133	J167	J98	K80X40	0	2	0	0	1	4.100
K134	J236	J167	K80X40	0	2	0	0	1	4.100
K137	J101	J33	K80X40	0	2	0	0	1	4.100
K138	J170	J101	K80X40	0	2	0	0	1	4.100
K139	J239	J170	K80X40	0	2	0	0	1	4.100
K142	J102	J36	K80X40	0	2	0	0	1	4.100
K143	J171	J102	K80X40	0	2	0	0	1	4.100
K144	J240	J171	K80X40	0	2	0	0	1	4.100
K147	J105	J37	K60X40	0	2	0	0	1	4.100
K148	J174	J105	K60X40	0	2	0	0	1	4.100
K149	J243	J174	K60X40	0	2	0	0	1	4.100
K153	J106	J38	K60X40	0	2	0	0	1	4.100
K154	J175	J106	K60X40	0	2	0	0	1	4.100
K155	J244	J175	K60X40	0	2	0	0	1	4.100
K159	J107	J39	K60X40	0	2	0	0	1	4.100
K160	J176	J107	K60X40	0	2	0	0	1	4.100
K161	J245	J176	K60X40	0	2	0	0	1	4.100
K165	J109	J41	K60X40	0	2	0	0	1	4.100
K166	J178	J109	K60X40	0	2	0	0	1	4.100
K167	J247	J178	K60X40	0	2	0	0	1	4.100
K171	J111	J42	K60X40	0	2	0	0	1	4.100
K172	J180	J111	K60X40	0	2	0	0	1	4.100
K173	J249	J180	K60X40	0	2	0	0	1	4.100
K175	J112	J43	K60X40	0	2	0	0	1	4.100
K176	J181	J112	K60X40	0	2	0	0	1	4.100
K177	J250	J181	K60X40	0	2	0	0	1	4.100
K180	J115	J46	K60X40	0	2	0	0	1	4.100
K181	J184	J115	K60X40	0	2	0	0	1	4.100
K182	J184	J253	K60X40	0	2	0	0	1	4.100
K185	J116	J47	K60X40	0	2	0	0	1	4.100
K186	J185	J116	K60X40	0	2	0	0	1	4.100
K187	J254	J185	K60X40	0	2	0	0	1	4.100
K190	J117	J48	K60X40	0	2	0	0	1	4.100
K191	J186	J117	K60X40	0	2	0	0	1	4.100
K192	J255	J186	K60X40	0	2	0	0	1	4.100
K195	J118	J49	K60X40	0	2	0	0	1	4.100
K196	J187	J118	K60X40	0	2	0	0	1	4.100
K197	J256	J187	K60X40	0	2	0	0	1	4.100
K199	J119	J50	K60X40	0	2	0	0	1	4.100
K200	J188	J119	K60X40	0	2	0	0	1	4.100
K201	J257	J188	K60X40	0	2	0	0	1	4.100

FRAME
PPORTAL RS. BETHESDA JOGJAKARTA

F43	J33	J31	B25X50	0	4	0	0	1	3.500
F44	J32	J36	B25X50	0	4	0	0	1	3.500
F48	J37	J33	B25X50	0	4	0	0	1	3.500
F49	J38	J34	B25X50	0	4	0	0	1	3.500
F50	J39	J35	B25X50	0	4	0	0	1	3.500
F51	J36	J40	B25X50	0	4	0	0	1	3.500
F56	J37	J44	B25X50	0	4	0	0	1	3.500
F57	J38	J46	B25X50	0	4	0	0	1	3.500
F58	J39	J47	B25X50	0	4	0	0	1	3.500
F59	J48	J41	B25X50	0	4	0	0	1	3.500
F66	J42	J49	B25X50	0	4	0	0	1	3.500
F67	J50	J43	B25X50	0	4	0	0	1	3.500
F68	J51	J45	B25X50	0	4	0	0	1	3.500
F69	J46	J52	B25X50	0	4	0	0	1	3.500
F70	J47	J53	B25X50	0	4	0	0	1	3.500
F71	J48	J55	B25X50	0	4	0	0	1	3.500
F92	J62	J68	B25X50	0	4	0	0	1	3.500
F93	J64	J69	B25X50	0	4	0	0	1	3.500
F94	J65	J70	B25X50	0	4	0	0	1	3.500
F95	J66	J72	B20X40	0	4	0	0	1	3.500
F96	J73	J67	B25X50	0	4	0	0	1	3.500
F101	J68	J75	B25X50	0	4	0	0	1	3.500
F102	J69	J77	B25X50	0	4	0	0	1	3.500
F103	J70	J78	B25X50	0	4	0	0	1	3.500
F104	J71	J79	B20X40	0	4	0	0	1	3.500
F105	J72	J80	B20X40	0	4	0	0	1	3.500
F106	J82	J73	B25X50	0	4	0	0	1	3.500
F116	J85	J76	B25X50	0	4	0	0	1	3.500
F117	J81	J86	B25X50	0	4	0	0	1	3.500
F121	J89	J85	B25X50	0	4	0	0	1	3.500
F122	J86	J90	B25X50	0	4	0	0	1	3.500
F126	J93	J89	B25X50	0	4	0	0	1	3.500
F127	J90	J94	B25X50	0	4	0	0	1	3.500
F131	J97	J93	B25X50	0	4	0	0	1	3.500
F132	J94	J98	B25X50	0	4	0	0	1	3.500
F136	J101	J97	B25X50	0	4	0	0	1	3.500
F137	J98	J102	B25X50	0	4	0	0	1	3.500
F141	J105	J101	B25X50	0	4	0	0	1	3.500
F142	J102	J108	B25X50	0	4	0	0	1	3.500
F149	J105	J113	B25X50	0	4	0	0	1	3.500
F150	J106	J115	B25X50	0	4	0	0	1	3.500
F151	J107	J116	B25X50	0	4	0	0	1	3.500
F152	J117	J109	B25X50	0	4	0	0	1	3.500
F159	J111	J118	B20X40	0	4	0	0	1	3.500
F160	J119	J112	B20X40	0	4	0	0	1	3.500
F161	J120	J114	B20X40	0	4	0	0	1	3.500
F162	J115	J121	B25X50	0	4	0	0	1	3.500
F163	J116	J122	B25X50	0	4	0	0	1	3.500
F164	J117	J124	B25X50	0	4	0	0	1	3.500
F184	J131	J137	B25X50	0	4	0	0	1	3.500
F185	J133	J138	B25X50	0	4	0	0	1	3.500
F186	J134	J139	B25X50	0	4	0	0	1	3.500
F187	J135	J141	B20X40	0	4	0	0	1	3.500
F188	J142	J136	B25X50	0	4	0	0	1	3.500
F193	J137	J144	B25X50	0	4	0	0	1	3.500
F194	J138	J146	B25X50	0	4	0	0	1	3.500
F195	J139	J147	B25X50	0	4	0	0	1	3.500
F196	J140	J148	B20X40	0	4	0	0	1	3.500
F197	J141	J149	B20X40	0	4	0	0	1	3.500
F198	J151	J142	B25X50	0	4	0	0	1	3.500
F208	J154	J145	B25X50	0	4	0	0	1	3.500
F209	J150	J155	B25X50	0	4	0	0	1	3.500
F213	J158	J154	B25X50	0	4	0	0	1	3.500
F214	J155	J159	B25X50	0	4	0	0	1	3.500
F218	J162	J158	B25X50	0	4	0	0	1	3.500
F219	J159	J163	B25X50	0	4	0	0	1	3.500
F223	J166	J162	B25X50	0	4	0	0	1	3.500
F224	J163	J167	B25X50	0	4	0	0	1	3.500

FRAME
PPORTAL RS. BETHESDA JOGJAKARTA

F413	F228	J170	J166	B25X50	0	4	0	0	1	3.500
F414	F229	J167	J171	B25X50	0	4	0	0	1	3.500
F421	F233	J174	J170	B25X50	0	4	0	0	1	3.500
F422	F234	J171	J177	B25X50	0	4	0	0	1	3.500
F423	F241	J174	J182	B25X50	0	4	0	0	1	3.500
F424	F242	J175	J184	B25X50	0	4	0	0	1	3.500
F431	F243	J176	J185	B25X50	0	4	0	0	1	3.500
F432	F244	J186	J178	B25X50	0	4	0	0	1	3.500
F433	F251	J180	J187	B20X40	0	4	0	0	1	3.500
F434	F252	J188	J181	B20X40	0	4	0	0	1	3.500
F435	F253	J189	J183	B20X40	0	4	0	0	1	3.500
F436	F254	J184	J190	B25X50	0	4	0	0	1	3.500
F457	F255	J185	J191	B25X50	0	4	0	0	1	3.500
F458	F256	J186	J193	B25X50	0	4	0	0	1	3.500
F459	F276	J200	J206	B25X50	0	4	0	0	1	3.500
F460	F277	J202	J207	B25X50	0	4	0	0	1	3.500
F461	F278	J203	J208	B25X50	0	4	0	0	1	3.500
F467	F279	J204	J210	B20X40	0	4	0	0	1	3.500
F468	F280	J211	J205	B25X50	0	4	0	0	1	3.500
F469	F285	J206	J213	B25X50	0	4	0	0	1	3.500
F470	F286	J207	J215	B25X50	0	4	0	0	1	3.500
F471	F287	J208	J216	B25X50	0	4	0	0	1	3.500
F472	F288	J209	J217	B20X40	0	4	0	0	1	3.500
F473	F289	J210	J218	B20X40	0	4	0	0	1	3.500
F474	F290	J220	J211	B25X50	0	4	0	0	1	3.500
F475	F300	J223	J214	B25X50	0	4	0	0	1	3.500
F476	F301	J219	J224	B25X50	0	4	0	0	1	3.500
F481	F305	J227	J223	B25X50	0	4	0	0	1	3.500
F482	F306	J224	J228	B25X50	0	4	0	0	1	3.500
F483	F310	J231	J227	B25X50	0	4	0	0	1	3.500
F484	F311	J228	J232	B25X50	0	4	0	0	1	3.500
F485	F315	J235	J231	B25X50	0	4	0	0	1	3.500
	F316	J232	J236	B25X50	0	4	0	0	1	3.500
	F320	J239	J235	B25X50	0	4	0	0	1	3.500
FRAM	F321	J236	J240	B25X50	0	4	0	0	1	3.500
	F325	J243	J239	B25X50	0	4	0	0	1	3.500
	F326	J240	J246	B25X50	0	4	0	0	1	3.500
F60	F333	J243	J251	B25X50	0	4	0	0	1	3.500
F72	F334	J244	J253	B25X50	0	4	0	0	1	3.500
F86	F335	J245	J254	B25X50	0	4	0	0	1	3.500
F153	F336	J255	J247	B25X50	0	4	0	0	1	3.500
F178	F343	J249	J256	B20X40	0	4	0	0	1	3.500
F245	F344	J257	J250	B20X40	0	4	0	0	1	3.500
F270	F345	J258	J252	B20X40	0	4	0	0	1	3.500
F337	F346	J253	J259	B25X50	0	4	0	0	1	3.500
F362	F347	J254	J260	B25X50	0	4	0	0	1	3.500
F422	F348	J255	J262	B25X50	0	4	0	0	1	3.500
F431	F368	J269	J275	B20X40	0	4	0	0	1	3.500
F45	F369	J271	J276	B20X40	0	4	0	0	1	3.500
	F370	J272	J277	B20X40	0	4	0	0	1	3.500
	F371	J273	J279	B20X40	0	4	0	0	1	3.500
FRA	F372	J280	J274	B20X40	0	4	0	0	1	3.500
	F378	J275	J282	B20X40	0	4	0	0	1	3.500
	F379	J276	J284	B20X40	0	4	0	0	1	3.500
F8	F380	J277	J285	B20X40	0	4	0	0	1	3.500
F8	F381	J278	J286	B20X40	0	4	0	0	1	3.500
F17	F382	J279	J287	B20X40	0	4	0	0	1	3.500
F17	F383	J289	J280	B20X40	0	4	0	0	1	3.500
F2	F393	J292	J283	B20X40	0	4	0	0	1	3.500
F2	F394	J288	J293	B20X40	0	4	0	0	1	3.500
F3	F397	J296	J292	B20X40	0	4	0	0	1	3.500
F3	F398	J293	J297	B20X40	0	4	0	0	1	3.500
F4	F401	J300	J296	B20X40	0	4	0	0	1	3.500
	F402	J297	J301	B20X40	0	4	0	0	1	3.500
	F405	J304	J300	B20X40	0	4	0	0	1	3.500
	F406	J301	J305	B20X40	0	4	0	0	1	3.500
	F409	J308	J304	B20X40	0	4	0	0	1	3.500
	F410	J305	J309	B20X40	0	4	0	0	1	3.500

FRAME
PPORTAL RS. BETHESDA JOGJAKARTA

FRAME	JOINT_I	JOINT_J	SECTION	LOC	REL	REL	REL	REL	REL	REL	SEG	IOFF SET	JOFF SET	RIGI	LENGTH	
				AL_A NG	EAS E_P	EAS E_V2	EAS E_V3	EAS E_T	EAS E_M2	EAS E_M3	MEN TS			D_FA CTO		
F1	J2	J1	B25X50	0								4	0	0	1	3.000
F5	J6	J5	B25X50	0								4	0	0	1	3.000
F15	J11	J12	B25X50	0								4	0	0	1	3.000
F87	J63	J62	B25X50	0								4	0	0	1	3.000
F91	J67	J66	B25X50	0								4	0	0	1	3.000
F179	J132	J131	B25X50	0								4	0	0	1	3.000
F183	J136	J135	B25X50	0								4	0	0	1	3.000
F271	J201	J200	B25X50	0								4	0	0	1	3.000
F275	J205	J204	B25X50	0								4	0	0	1	3.000
F363	J269	J270	B20X40	0								4	0	0	1	3.000
F367	J274	J273	B20X40	0								4	0	0	1	3.000
F377	J279	J280	B20X40	0								4	0	0	1	3.000
F452	J338	J339	B20X40	0								4	0	0	1	3.000
F456	J342	J343	B20X40	0								4	0	0	1	3.000
F466	J348	J349	B20X40	0								4	0	0	1	3.000

FRAME	JOINT_I	JOINT_J	SECTION	LOC	REL	REL	REL	REL	REL	REL	SEG	IOFF SET	JOFF SET	RIGI	LENGTH	
				AL_A NG	EAS E_P	EAS E_V2	EAS E_V3	EAS E_T	EAS E_M2	EAS E_M3	MEN TS			D_FA CTO		
F14	J10	J11	B25X50	0								4	0	0	1	2.900
F26	J17	J18	B25X50	0								4	0	0	1	2.900
F100	J71	J72	B20X40	0								4	0	0	1	2.900
F112	J79	J80	B20X40	0								4	0	0	1	2.900
F192	J140	J141	B20X40	0								4	0	0	1	2.900
F204	J148	J149	B20X40	0								4	0	0	1	2.900
F284	J209	J210	B20X40	0								4	0	0	1	2.900
F296	J217	J218	B20X40	0								4	0	0	1	2.900
F376	J278	J279	B20X40	0								4	0	0	1	2.900
F389	J286	J287	B20X40	0								4	0	0	1	2.900
F465	J347	J348	B20X40	0								4	0	0	1	2.900
F494	J374	J375	FSEC1	0								4	0	0	1	2.900

FRAME	JOINT_I	JOINT_J	SECTION	LOC	REL	REL	REL	REL	REL	REL	SEG	IOFF SET	JOFF SET	RIGI	LENGTH	
				AL_A NG	EAS E_P	EAS E_V2	EAS E_V3	EAS E_T	EAS E_M2	EAS E_M3	MEN TS			D_FA CTO		
F3	J4	J3	B25X50	0								4	0	0	1	2.300
F12	J8	J9	B25X50	0								4	0	0	1	2.300
F24	J15	J16	B25X50	0								4	0	0	1	2.300
F34	J24	J25	B25X50	0								4	0	0	1	2.300
F39	J28	J29	B25X50	0								4	0	0	1	2.300
F46	J34	J35	B25X50	0								4	0	0	1	2.300
F53	J39	J38	B25X50	0								4	0	0	1	2.300
F64	J46	J47	B25X50	0								4	0	0	1	2.300
F75	J53	J52	B25X50	0								4	0	0	1	2.300
F89	J65	J64	B25X50	0								4	0	0	1	2.300
F98	J69	J70	B25X50	0								4	0	0	1	2.300
F110	J77	J78	B25X50	0								4	0	0	1	2.300
F145	J107	J106	B25X50	0								4	0	0	1	2.300
F157	J115	J116	B25X50	0								4	0	0	1	2.300
F167	J122	J121	B25X50	0								4	0	0	1	2.300
F181	J134	J133	B25X50	0								4	0	0	1	2.300
F190	J138	J139	B25X50	0								4	0	0	1	2.300
F202	J146	J147	B25X50	0								4	0	0	1	2.300
F237	J176	J175	B25X50	0								4	0	0	1	2.300
F249	J184	J185	B25X50	0								4	0	0	1	2.300
F259	J191	J190	B25X50	0								4	0	0	1	2.300
F273	J203	J202	B25X50	0								4	0	0	1	2.300
F282	J207	J208	B25X50	0								4	0	0	1	2.300
F294	J215	J216	B25X50	0								4	0	0	1	2.300
F329	J245	J244	B25X50	0								4	0	0	1	2.300
F341	J253	J254	B25X50	0								4	0	0	1	2.300
F351	J260	J259	B25X50	0								4	0	0	1	2.300

FRAME
PPORTAL RS. BETHESDA JOGJAKARTA

F365	J272	J271	B20X40	0								4	0	0	1	2.300
F374	J276	J277	B25X50	0								4	0	0	1	2.300
F387	J284	J285	B25X50	0								4	0	0	1	2.300
F417	J314	J313	B20X40	0								4	0	0	1	2.300
F429	J322	J323	B20X40	0								4	0	0	1	2.300
F440	J329	J328	B20X40	0								4	0	0	1	2.300
F454	J340	J341	B20X40	0								4	0	0	1	2.300
F463	J345	J346	B20X40	0								4	0	0	1	2.300
F479	J362	J363	B20X40	0								4	0	0	1	2.300
F488	J367	J368	B20X40	0								4	0	0	1	2.300
F492	J372	J373	FSEC1	0								4	0	0	1	2.300
F510	J390	J389	FSEC1	0								4	0	0	1	2.300

FRAME	JOINT_I	JOINT_J	SECTION	LOC	REL	REL	REL	REL	REL	REL	SEG	IOFF	JOFF	D_FA	RIGI	LENGTH
				AL_A	EAS	EAS	EAS	EAS	EAS	EAS	MEN	SET	SET	CTO		
				NG	E_P	E_V2	E_V3	E_T	E_M2	E_M3	TS				R	
F78	J51	J56	B25X50	0								4	0	0	1	2.100
F79	J57	J52	B25X50	0								4	0	0	1	2.100
F80	J53	J58	B25X50	0								4	0	0	1	2.100
F81	J54	J59	B25X50	0								4	0	0	1	2.100
F170	J120	J125	B20X40	0								4	0	0	1	2.100
F171	J126	J121	B20X40	0								4	0	0	1	2.100
F172	J122	J127	B20X40	0								4	0	0	1	2.100
F173	J123	J128	B20X40	0								4	0	0	1	2.100
F262	J189	J194	B20X40	0								4	0	0	1	2.100
F263	J195	J190	B20X40	0								4	0	0	1	2.100
F264	J191	J196	B20X40	0								4	0	0	1	2.100
F265	J192	J197	B20X40	0								4	0	0	1	2.100
F354	J258	J263	B20X40	0								4	0	0	1	2.100
F355	J264	J259	B20X40	0								4	0	0	1	2.100
F356	J260	J265	B20X40	0								4	0	0	1	2.100
F357	J261	J266	B20X40	0								4	0	0	1	2.100
F443	J327	J332	B20X40	0								4	0	0	1	2.100
F444	J333	J328	B20X40	0								4	0	0	1	2.100
F445	J329	J334	B20X40	0								4	0	0	1	2.100
F446	J330	J335	B20X40	0								4	0	0	1	2.100

FRAME	JOINT_I	JOINT_J	SECTION	LOC	REL	REL	REL	REL	REL	REL	SEG	IOFF	JOFF	D_FA	RIGI	LENGTH
				AL_A	EAS	EAS	EAS	EAS	EAS	EAS	MEN	SET	SET	CTO		
				NG	E_P	E_V2	E_V3	E_T	E_M2	E_M3	TS				R	
K101	J292	J378	K40X40	0								2	0	0	1	2.050
K106	J293	J379	K40X40	0								2	0	0	1	2.050
K111	J296	J380	K40X40	0								2	0	0	1	2.050
K116	J297	J381	K40X40	0								2	0	0	1	2.050
K121	J300	J382	K40X40	0								2	0	0	1	2.050
K126	J301	J383	K40X40	0								2	0	0	1	2.050
K131	J304	J384	K40X40	0								2	0	0	1	2.050
K136	J305	J385	K40X40	0								2	0	0	1	2.050
K141	J308	J386	K40X40	0								2	0	0	1	2.050
K146	J309	J387	K40X40	0								2	0	0	1	2.050

FRAME	JOINT_I	JOINT_J	SECTION	LOC	REL	REL	REL	REL	REL	REL	SEG	IOFF	JOFF	D_FA	RIGI	LENGTH
				AL_A	EAS	EAS	EAS	EAS	EAS	EAS	MEN	SET	SET	CTO		
				NG	E_P	E_V2	E_V3	E_T	E_M2	E_M3	TS				R	
F27	J18	J19	B25X50	0								4	0	0	1	2.000
F113	J80	J81	B20X40	0								4	0	0	1	2.000
F205	J149	J150	B25X50	0								4	0	0	1	2.000
F297	J218	J219	B25X50	0								4	0	0	1	2.000
F390	J287	J288	B20X40	0								4	0	0	1	2.000
F495	J375	J376	FSEC1	0								4	0	0	1	2.000

FRAME
PPORTAL RS. BETHESDA JOGJAKARTA

FRAME	JOINT_I	JOINT_J	SECTION	LOC	REL	REL	REL	REL	REL	REL	SEG	RIGI			LENGTH	
				AL_A	EAS	EAS	EAS	EAS	EAS	MEN	IOFF	JOFF	D_FA			
				NG	E_P	E_V2	E_V3	E_T	E_M2	E_M3	TS	SET	SET	CTO	B	
F118	J85	J84	B20X40	0							4	0	0	1	1.750	
F120	J86	J87	B20X40	0							4	0	0	1	1.750	
F123	J89	J88	B20X40	0							4	0	0	1	1.750	
F125	J90	J91	B20X40	0							4	0	0	1	1.750	
F128	J93	J92	B20X40	0							4	0	0	1	1.750	
F130	J94	J95	B20X40	0							4	0	0	1	1.750	
F133	J97	J96	B20X40	0							4	0	0	1	1.750	
F135	J98	J99	B20X40	0							4	0	0	1	1.750	
F138	J101	J100	B20X40	0							4	0	0	1	1.750	
F140	J102	J103	B20X40	0							4	0	0	1	1.750	
F143	J105	J104	B20X40	0							4	0	0	1	1.750	
F210	J154	J153	B20X40	0							4	0	0	1	1.750	
F212	J155	J156	B20X40	0							4	0	0	1	1.750	
F215	J158	J157	B20X40	0							4	0	0	1	1.750	
F217	J159	J160	B20X40	0							4	0	0	1	1.750	
F220	J162	J161	B20X40	0							4	0	0	1	1.750	
F222	J163	J164	B20X40	0							4	0	0	1	1.750	
F225	J166	J165	B20X40	0							4	0	0	1	1.750	
F227	J167	J168	B20X40	0							4	0	0	1	1.750	
F230	J170	J169	B20X40	0							4	0	0	1	1.750	
F232	J171	J172	B20X40	0							4	0	0	1	1.750	
F235	J174	J173	B20X40	0							4	0	0	1	1.750	
F302	J223	J222	B20X40	0							4	0	0	1	1.750	
F304	J224	J225	B20X40	0							4	0	0	1	1.750	
F307	J227	J226	B20X40	0							4	0	0	1	1.750	
F309	J228	J229	B20X40	0							4	0	0	1	1.750	
F312	J231	J230	B20X40	0							4	0	0	1	1.750	
F314	J232	J233	B20X40	0							4	0	0	1	1.750	
F317	J235	J234	B20X40	0							4	0	0	1	1.750	
F319	J236	J237	B20X40	0							4	0	0	1	1.750	
F322	J239	J238	B20X40	0							4	0	0	1	1.750	
F324	J240	J241	B20X40	0							4	0	0	1	1.750	
F327	J243	J242	B20X40	0							4	0	0	1	1.750	
F395	J292	J291	B20X40	0							4	0	0	1	1.750	
F396	J293	J294	B20X40	0							4	0	0	1	1.750	
F399	J296	J295	B20X40	0							4	0	0	1	1.750	
F400	J297	J298	B20X40	0							4	0	0	1	1.750	
F403	J300	J299	B20X40	0							4	0	0	1	1.750	
F404	J301	J302	B20X40	0							4	0	0	1	1.750	
F407	J304	J303	B20X40	0							4	0	0	1	1.750	
F408	J305	J306	B20X40	0							4	0	0	1	1.750	
F411	J308	J307	B20X40	0							4	0	0	1	1.750	
F412	J309	J310	B20X40	0							4	0	0	1	1.750	
F415	J312	J311	B20X40	0							4	0	0	1	1.750	

FRAME	JOINT_I	JOINT_J	SECTION	LOC	REL	REL	REL	REL	REL	REL	SEG	RIGI			LENGTH	
				AL_A	EAS	EAS	EAS	EAS	EAS	MEN	IOFF	JOFF	D_FA			
				NG	E_P	E_V2	E_V3	E_T	E_M2	E_M3	TS	SET	SET	CTO	B	
FP1	J1	P1	K60X40	0							2	0	0	1	1.500	
FP2	J2	P2	K60X40	0							2	0	0	1	1.500	
FP3	J3	P3	K60X40	0							2	0	0	1	1.500	
FP4	J4	P4	K60X40	0							2	0	0	1	1.500	
FP5	J5	P5	K60X40	0							2	0	0	1	1.500	
FP6	J6	P6	K60X40	0							2	0	0	1	1.500	
FP7	J7	P7	K60X40	0							2	0	0	1	1.500	
FP8	J8	P8	K60X40	0							2	0	0	1	1.500	
FP9	J9	P9	K60X40	0							2	0	0	1	1.500	
FP10	J10	P10	K60X40	0							2	0	0	1	1.500	
FP11	J11	P11	K60X40	0							2	0	0	1	1.500	
FP12	J12	P12	K60X40	0							2	0	0	1	1.500	
FP13	J13	P13	K60X40	0							2	0	0	1	1.500	
FP14	J15	P14	K60X40	0							2	0	0	1	1.500	
FP15	J16	P15	K60X40	0							2	0	0	1	1.500	

FRAME
PPORTAL RS. BETHESDA JOGJAKARTA.

FP16	J17	P16	K60X40	0	2	0	0	1	1.500
FP17	J18	P17	K60X40	0	2	0	0	1	1.500
FP18	J20	P18	K60X40	0	2	0	0	1	1.500
FP19	J21	P19	K80X40	0	2	0	0	1	1.500
FP20	J22	P20	K80X40	0	2	0	0	1	1.500
FP21	J23	P21	K80X40	0	2	0	0	1	1.500
FP22	J26	P22	K80X40	0	2	0	0	1	1.500
FP23	J27	P23	K80X40	0	2	0	0	1	1.500
FP24	J30	P24	K80X40	0	2	0	0	1	1.500
FP25	J31	P25	K80X40	0	2	0	0	1	1.500
FP26	J32	P26	K80X40	0	2	0	0	1	1.500
FP27	J33	P27	K80X40	0	2	0	0	1	1.500
FP28	J36	P28	K80X40	0	2	0	0	1	1.500
FP29	J37	P29	K60X40	0	2	0	0	1	1.500
FP30	J38	P30	K60X40	0	2	0	0	1	1.500
FP31	J39	P31	K60X40	0	2	0	0	1	1.500
FP32	J41	P32	K60X40	0	2	0	0	1	1.500
FP33	J42	P33	K60X40	0	2	0	0	1	1.500
FP34	J43	P34	K60X40	0	2	0	0	1	1.500
FP35	J46	P35	K60X40	0	2	0	0	1	1.500
FP36	J47	P36	K60X40	0	2	0	0	1	1.500
FP37	J48	P37	K60X40	0	2	0	0	1	1.500
FP38	J49	P38	K60X40	0	2	0	0	1	1.500
FP39	J50	P39	K60X40	0	2	0	0	1	1.500
FP40	J52	P40	K60X40	0	2	0	0	1	1.500
FP41	J53	P41	K60X40	0	2	0	0	1	1.500
FP42	J55	P42	K60X40	0	2	0	0	1	1.500
FP43	J56	P43	K60X40	0	2	0	0	1	1.500
FP44	J57	P44	K60X40	0	2	0	0	1	1.500
FP45	J58	P45	K60X40	0	2	0	0	1	1.500
FP46	J59	P46	K60X40	0	2	0	0	1	1.500
FP47	P47	J60	K60X40	0	2	0	0	1	1.500
FP48	P48	J61	K60X40	0	2	0	0	1	1.500

FRAME	JOINT_I	JOINT_J	SECTION	LOC AL_A NG	REL EAS E_P	REL EAS E_V2	REL EAS E_V3	REL EAS E_T	REL EAS E_M2	REL EAS E_M3	SEG MEN TS	IOFF SET	JOFF SET	RIGI	LENGTH
														D_FA CTO	
F73	J51	J50	B25X50	0							4	0	0	1	1.400
F77	J55	J54	B25X50	0							4	0	0	1	1.400
F165	J120	J119	B25X50	0							4	0	0	1	1.400
F169	J124	J123	B25X50	0							4	0	0	1	1.400
F257	J189	J188	B25X50	0							4	0	0	1	1.400
F261	J193	J192	B25X50	0							4	0	0	1	1.400
F349	J258	J257	B25X50	0							4	0	0	1	1.400
F353	J262	J261	B25X50	0							4	0	0	1	1.400
F438	J327	J326	B25X50	0							4	0	0	1	1.400
F442	J331	J330	B25X50	0							4	0	0	1	1.400

FRAME	JOINT_I	JOINT_J	SECTION	LOC AL_A NG	REL EAS E_P	REL EAS E_V2	REL EAS E_V3	REL EAS E_T	REL EAS E_M2	REL EAS E_M3	SEG MEN TS	IOFF SET	JOFF SET	RIGI	LENGTH
														D_FA CTO	
K5	J269	J338	K40X40	0							2	0	0	1	1.350
K10	J270	J339	K40X40	0							2	0	0	1	1.350
K15	J271	J340	K40X40	0							2	0	0	1	1.350
K20	J272	J341	K40X40	0							2	0	0	1	1.350
K25	J273	J342	K40X40	0							2	0	0	1	1.350
K30	J343	J274	K40X40	0							2	0	0	1	1.350
K35	J275	J344	K40X40	0							2	0	0	1	1.350
K40	J276	J345	K40X40	0							2	0	0	1	1.350
K45	J277	J346	K40X40	0							2	0	0	1	1.350
K50	J278	J347	K40X40	0							2	0	0	1	1.350
K55	J279	J348	K40X40	0							2	0	0	1	1.350
K60	J349	J280	K40X40	0							2	0	0	1	1.350
K65	J282	J350	K40X40	0							2	0	0	1	1.350
K71	J284	J351	K40X40	0							2	0	0	1	1.350
K77	J285	J352	K40X40	0							2	0	0	1	1.350

FRAME
PPORTAL RS. BLTHESDA JOGJAKARTA

FRAME	JOINT_I	JOINT_J	SECTION	LOC AL_A NG	REL EAS E_P	REL EAS E_V2	REL EAS E_V3	REL EAS E_T	REL EAS E_M2	REL EAS E_M3	SEG MEN TS	IOFF SET	JOFF SET	RIGI	LENGTH	
														D_FA CTO R		
F107	J74	J75	B25X50	0								4	0	0	1	0.750
F115	J82	J83	B25X50	0								4	0	0	1	0.750
F148	J110	J109	B25X50	0								4	0	0	1	0.750
F199	J143	J144	B25X50	0								4	0	0	1	0.750
F207	J151	J152	B25X50	0								4	0	0	1	0.750
F240	J179	J178	B25X50	0								4	0	0	1	0.750
F291	J212	J213	B25X50	0								4	0	0	1	0.750
F299	J220	J221	B25X50	0								4	0	0	1	0.750
F332	J248	J247	B25X50	0								4	0	0	1	0.750
F384	J281	J282	B25X50	0								4	0	0	1	0.750
F392	J289	J290	B20X40	0								4	0	0	1	0.750
F420	J317	J316	B20X40	0								4	0	0	1	0.750

FRAME	JOINT_I	JOINT_J	SECTION	LOC AL_A NG	REL EAS E_P	REL EAS E_V2	REL EAS E_V3	REL EAS E_T	REL EAS E_M2	REL EAS E_M3	SEG MEN TS	IOFF SET	JOFF SET	RIGI	LENGTH	
														D_FA CTO R		
K66	J350	J370	K40X40	0								2	0	0	1	0.700
K72	J351	J372	K40X40	0								2	0	0	1	0.700
K78	J352	J373	K40X40	0								2	0	0	1	0.700
K84	J353	J374	K40X40	0								2	0	0	1	0.700
K90	J354	J375	K40X40	0								2	0	0	1	0.700
K96	J377	J355	K40X40	0								2	0	0	1	0.700
K152	J356	J388	K40X40	0								2	0	0	1	0.700
K158	J357	J389	K40X40	0								2	0	0	1	0.700
K164	J358	J390	K40X40	0								2	0	0	1	0.700
K170	J359	J392	K40X40	0								2	0	0	1	0.700

FRAME	JOINT_I	JOINT_J	SECTION	LOC AL_A NG	REL EAS E_P	REL EAS E_V2	REL EAS E_V3	REL EAS E_T	REL EAS E_M2	REL EAS E_M3	SEG MEN TS	IOFF SET	JOFF SET	RIGI	LENGTH	
														D_FA CTO R		
F62	J44	J45	B25X50	0								4	0	0	1	0.400
F155	J113	J114	B25X50	0								4	0	0	1	0.400
F247	J182	J183	B25X50	0								4	0	0	1	0.400
F339	J251	J252	B25X50	0								4	0	0	1	0.400
F427	J320	J321	B25X50	0								4	0	0	1	0.400

LOAD	JOINT	FX	FY	FZ	MX	MY	MZ
D	J74	0.00	0.00	-13.55	0	0	0
D	J83	0.00	0.00	-13.55	0	0	0
D	J78	0.00	0.00	-21.44	0	0	0
D	J77	0.00	0.00	-21.44	0	0	0
D	J152	0.00	0.00	-13.55	0	0	0
D	J143	0.00	0.00	-13.55	0	0	0
D	J221	0.00	0.00	-13.55	0	0	0
D	J212	0.00	0.00	-13.55	0	0	0
D	J147	0.00	0.00	-21.44	0	0	0
D	J146	0.00	0.00	-21.44	0	0	0
D	J216	0.00	0.00	-21.44	0	0	0
D	J215	0.00	0.00	-21.44	0	0	0
D	J84	0.00	0.00	-27.10	0	0	0
D	J88	0.00	0.00	-27.10	0	0	0
D	J92	0.00	0.00	-27.10	0	0	0
D	J96	0.00	0.00	-27.10	0	0	0
D	J100	0.00	0.00	-27.10	0	0	0
D	J87	0.00	0.00	-27.10	0	0	0
D	J91	0.00	0.00	-27.10	0	0	0
D	J95	0.00	0.00	-27.10	0	0	0
D	J99	0.00	0.00	-27.10	0	0	0
D	J103	0.00	0.00	-27.10	0	0	0
D	J153	0.00	0.00	-27.10	0	0	0
D	J157	0.00	0.00	-27.10	0	0	0
D	J161	0.00	0.00	-27.10	0	0	0
D	J165	0.00	0.00	-27.10	0	0	0
D	J169	0.00	0.00	-27.10	0	0	0
D	J156	0.00	0.00	-27.10	0	0	0
D	J160	0.00	0.00	-27.10	0	0	0
D	J164	0.00	0.00	-27.10	0	0	0
D	J168	0.00	0.00	-27.10	0	0	0
D	J172	0.00	0.00	-27.10	0	0	0
D	J222	0.00	0.00	-27.10	0	0	0
D	J226	0.00	0.00	-27.10	0	0	0
D	J230	0.00	0.00	-27.10	0	0	0
D	J234	0.00	0.00	-27.10	0	0	0
D	J238	0.00	0.00	-27.10	0	0	0
D	J225	0.00	0.00	-27.10	0	0	0
D	J229	0.00	0.00	-27.10	0	0	0
D	J233	0.00	0.00	-27.10	0	0	0
D	J237	0.00	0.00	-27.10	0	0	0
D	J241	0.00	0.00	-27.10	0	0	0
D	J291	0.00	0.00	-27.10	0	0	0
D	J295	0.00	0.00	-27.10	0	0	0
D	J299	0.00	0.00	-27.10	0	0	0
D	J303	0.00	0.00	-27.10	0	0	0
D	J307	0.00	0.00	-27.10	0	0	0
D	J294	0.00	0.00	-27.10	0	0	0
D	J298	0.00	0.00	-27.10	0	0	0
D	J302	0.00	0.00	-27.10	0	0	0
D	J306	0.00	0.00	-27.10	0	0	0
D	J310	0.00	0.00	-27.10	0	0	0
D	J104	0.00	0.00	-27.10	0	0	0
D	J110	0.00	0.00	-13.55	0	0	0
D	J173	0.00	0.00	-27.10	0	0	0
D	J179	0.00	0.00	-13.55	0	0	0
D	J242	0.00	0.00	-27.10	0	0	0
D	J248	0.00	0.00	-13.55	0	0	0
D	J311	0.00	0.00	-27.10	0	0	0
D	J317	0.00	0.00	-13.55	0	0	0
D	J107	0.00	0.00	-21.44	0	0	0
D	J106	0.00	0.00	-21.44	0	0	0
D	J176	0.00	0.00	-21.44	0	0	0
D	J175	0.00	0.00	-21.44	0	0	0
D	J245	0.00	0.00	-21.44	0	0	0
D	J244	0.00	0.00	-21.44	0	0	0
D	J378	0.00	0.00	-25.20	0	0	0

JointForceLoads (kN-m)

by. Arif Rahman-Kurniawan W

D	J379	0.00	0.00	-25.20	0	0	0
D	J380	0.00	0.00	-25.20	0	0	0
D	J381	0.00	0.00	-25.20	0	0	0
D	J382	0.00	0.00	-25.20	0	0	0
D	J383	0.00	0.00	-25.20	0	0	0
D	J384	0.00	0.00	-25.20	0	0	0
D	J385	0.00	0.00	-25.20	0	0	0
D	J386	0.00	0.00	-25.20	0	0	0
D	J387	0.00	0.00	-25.20	0	0	0
D	J388	0.00	0.00	-25.20	0	0	0
D	J370	0.00	0.00	-25.73	0	0	0
D	J377	0.00	0.00	-25.73	0	0	0
D	J392	0.00	0.00	-25.73	0	0	0
D	J338	0.00	0.00	-25.73	0	0	0
D	J343	0.00	0.00	-25.73	0	0	0
D	J344	0.00	0.00	-25.73	0	0	0
D	J349	0.00	0.00	-25.73	0	0	0
D	J360	0.00	0.00	-25.73	0	0	0
D	J364	0.00	0.00	-25.73	0	0	0
D	J365	0.00	0.00	-25.73	0	0	0
D	J369	0.00	0.00	-25.73	0	0	0
L	J74	0.00	0.00	-5.11	0	0	0
L	J83	0.00	0.00	-5.11	0	0	0
L	J78	0.00	0.00	-9.41	0	0	0
L	J77	0.00	0.00	-9.41	0	0	0
L	J152	0.00	0.00	-5.11	0	0	0
L	J143	0.00	0.00	-5.11	0	0	0
L	J221	0.00	0.00	-5.11	0	0	0
L	J212	0.00	0.00	-5.11	0	0	0
L	J147	0.00	0.00	-9.41	0	0	0
L	J146	0.00	0.00	-9.41	0	0	0
L	J216	0.00	0.00	-9.41	0	0	0
L	J215	0.00	0.00	-9.41	0	0	0
L	J84	0.00	0.00	-10.20	0	0	0
L	J88	0.00	0.00	-10.20	0	0	0
L	J92	0.00	0.00	-10.20	0	0	0
L	J96	0.00	0.00	-10.20	0	0	0
L	J100	0.00	0.00	-10.20	0	0	0
L	J87	0.00	0.00	-10.20	0	0	0
L	J91	0.00	0.00	-10.20	0	0	0
L	J95	0.00	0.00	-10.20	0	0	0
L	J99	0.00	0.00	-10.20	0	0	0
L	J103	0.00	0.00	-10.20	0	0	0
L	J153	0.00	0.00	-10.20	0	0	0
L	J157	0.00	0.00	-10.20	0	0	0
L	J161	0.00	0.00	-10.20	0	0	0
L	J165	0.00	0.00	-10.20	0	0	0
L	J169	0.00	0.00	-10.20	0	0	0
L	J156	0.00	0.00	-10.20	0	0	0
L	J160	0.00	0.00	-10.20	0	0	0
L	J164	0.00	0.00	-10.20	0	0	0
L	J168	0.00	0.00	-10.20	0	0	0
L	J172	0.00	0.00	-10.20	0	0	0
L	J222	0.00	0.00	-10.20	0	0	0
L	J226	0.00	0.00	-10.20	0	0	0
L	J230	0.00	0.00	-10.20	0	0	0
L	J234	0.00	0.00	-10.20	0	0	0
L	J238	0.00	0.00	-10.20	0	0	0
L	J225	0.00	0.00	-10.20	0	0	0
L	J229	0.00	0.00	-10.20	0	0	0
L	J233	0.00	0.00	-10.20	0	0	0
L	J237	0.00	0.00	-10.20	0	0	0
L	J241	0.00	0.00	-10.20	0	0	0
L	J291	0.00	0.00	-10.20	0	0	0
L	J295	0.00	0.00	-10.20	0	0	0
L	J299	0.00	0.00	-10.20	0	0	0
L	J303	0.00	0.00	-10.20	0	0	0
L	J307	0.00	0.00	-10.20	0	0	0
L	J294	0.00	0.00	-10.20	0	0	0
L	J298	0.00	0.00	-10.20	0	0	0

JointForceLoads (kN-m)

by. Arif Rahman-Kurniawan W

L	J302	0.00	0.00	-10.20	0	0	0
L	J306	0.00	0.00	-10.20	0	0	0
L	J310	0.00	0.00	-10.20	0	0	0
L	J104	0.00	0.00	-10.22	0	0	0
L	J110	0.00	0.00	-5.11	0	0	0
L	J173	0.00	0.00	-10.22	0	0	0
L	J179	0.00	0.00	-5.11	0	0	0
L	J242	0.00	0.00	-10.22	0	0	0
L	J248	0.00	0.00	-5.11	0	0	0
L	J311	0.00	0.00	-10.22	0	0	0
L	J317	0.00	0.00	-5.11	0	0	0
L	J107	0.00	0.00	-9.41	0	0	0
L	J106	0.00	0.00	-9.41	0	0	0
L	J176	0.00	0.00	-9.41	0	0	0
L	J175	0.00	0.00	-9.41	0	0	0
L	J245	0.00	0.00	-9.41	0	0	0
L	J244	0.00	0.00	-9.41	0	0	0
L	J338	0.00	0.00	-7.00	0	0	0
L	J343	0.00	0.00	-7.00	0	0	0
L	J344	0.00	0.00	-7.00	0	0	0
L	J349	0.00	0.00	-7.00	0	0	0
L	J360	0.00	0.00	-7.00	0	0	0
L	J364	0.00	0.00	-7.00	0	0	0
L	J365	0.00	0.00	-7.00	0	0	0
L	J369	0.00	0.00	-7.00	0	0	0
L	J370	0.00	0.00	-7.00	0	0	0
L	J377	0.00	0.00	-7.00	0	0	0
L	J392	0.00	0.00	-7.00	0	0	0
L	J378	0.00	0.00	-7.00	0	0	0
L	J379	0.00	0.00	-7.00	0	0	0
L	J380	0.00	0.00	-7.00	0	0	0
L	J381	0.00	0.00	-7.00	0	0	0
L	J382	0.00	0.00	-7.00	0	0	0
L	J383	0.00	0.00	-7.00	0	0	0
L	J384	0.00	0.00	-7.00	0	0	0
L	J385	0.00	0.00	-7.00	0	0	0
L	J386	0.00	0.00	-7.00	0	0	0
L	J387	0.00	0.00	-7.00	0	0	0
L	J388	0.00	0.00	-7.00	0	0	0
EX	J370	4.75	0.00	0.00	0	0	0
EX	J377	4.75	0.00	0.00	0	0	0
EX	J375	4.75	0.00	0.00	0	0	0
EX	J373	4.75	0.00	0.00	0	0	0
EX	J372	4.75	0.00	0.00	0	0	0
EX	J378	4.75	0.00	0.00	0	0	0
EX	J379	4.75	0.00	0.00	0	0	0
EX	J380	4.75	0.00	0.00	0	0	0
EX	J381	4.75	0.00	0.00	0	0	0
EX	J382	4.75	0.00	0.00	0	0	0
EX	J383	4.75	0.00	0.00	0	0	0
EX	J384	4.75	0.00	0.00	0	0	0
EX	J385	4.75	0.00	0.00	0	0	0
EX	J386	4.75	0.00	0.00	0	0	0
EX	J387	4.75	0.00	0.00	0	0	0
EX	J388	4.75	0.00	0.00	0	0	0
EX	J392	4.75	0.00	0.00	0	0	0
EX	J389	4.75	0.00	0.00	0	0	0
EX	J390	4.75	0.00	0.00	0	0	0
EX	J371	4.75	0.00	0.00	0	0	0
EX	J374	4.75	0.00	0.00	0	0	0
EX	J338	4.75	0.00	0.00	0	0	0
EX	J343	4.75	0.00	0.00	0	0	0
EX	J342	4.75	0.00	0.00	0	0	0
EX	J340	4.75	0.00	0.00	0	0	0
EX	J341	4.75	0.00	0.00	0	0	0
EX	J339	4.75	0.00	0.00	0	0	0
EX	J344	4.75	0.00	0.00	0	0	0
EX	J349	4.75	0.00	0.00	0	0	0
EX	J348	4.75	0.00	0.00	0	0	0
EX	J345	4.75	0.00	0.00	0	0	0

JointForceLoads (kN-m)

by. Arif Rahman-Kurniawan W

EX	J346	4.75	0.00	0.00	0	0	0
EX	J347	4.75	0.00	0.00	0	0	0
EX	J360	4.75	0.00	0.00	0	0	0
EX	J364	4.75	0.00	0.00	0	0	0
EX	J363	4.75	0.00	0.00	0	0	0
EX	J362	4.75	0.00	0.00	0	0	0
EX	J365	4.75	0.00	0.00	0	0	0
EX	J369	4.75	0.00	0.00	0	0	0
EX	J368	4.75	0.00	0.00	0	0	0
EX	J367	4.75	0.00	0.00	0	0	0
EX	J293	31.98	0.00	0.00	0	0	0
EX	J297	31.98	0.00	0.00	0	0	0
EX	J301	31.98	0.00	0.00	0	0	0
EX	J305	31.98	0.00	0.00	0	0	0
EX	J309	31.98	0.00	0.00	0	0	0
EX	J292	31.98	0.00	0.00	0	0	0
EX	J296	31.98	0.00	0.00	0	0	0
EX	J300	31.98	0.00	0.00	0	0	0
EX	J304	31.98	0.00	0.00	0	0	0
EX	J308	31.98	0.00	0.00	0	0	0
EX	J269	16.33	0.00	0.00	0	0	0
EX	J270	16.33	0.00	0.00	0	0	0
EX	J271	16.33	0.00	0.00	0	0	0
EX	J272	16.33	0.00	0.00	0	0	0
EX	J273	16.33	0.00	0.00	0	0	0
EX	J274	16.33	0.00	0.00	0	0	0
EX	J282	16.33	0.00	0.00	0	0	0
EX	J289	16.33	0.00	0.00	0	0	0
EX	J287	16.33	0.00	0.00	0	0	0
EX	J285	16.33	0.00	0.00	0	0	0
EX	J284	16.33	0.00	0.00	0	0	0
EX	J275	16.33	0.00	0.00	0	0	0
EX	J279	16.33	0.00	0.00	0	0	0
EX	J312	16.33	0.00	0.00	0	0	0
EX	J319	16.33	0.00	0.00	0	0	0
EX	J324	16.33	0.00	0.00	0	0	0
EX	J316	16.33	0.00	0.00	0	0	0
EX	J331	16.33	0.00	0.00	0	0	0
EX	J326	16.33	0.00	0.00	0	0	0
EX	J314	16.33	0.00	0.00	0	0	0
EX	J329	16.33	0.00	0.00	0	0	0
EX	J313	16.33	0.00	0.00	0	0	0
EX	J328	16.33	0.00	0.00	0	0	0
EX	J318	16.33	0.00	0.00	0	0	0
EX	J325	16.33	0.00	0.00	0	0	0
EX	J336	16.33	0.00	0.00	0	0	0
EX	J337	16.33	0.00	0.00	0	0	0
EX	J334	16.33	0.00	0.00	0	0	0
EX	J335	16.33	0.00	0.00	0	0	0
EX	J332	16.33	0.00	0.00	0	0	0
EX	J333	16.33	0.00	0.00	0	0	0
EX	J280	16.33	0.00	0.00	0	0	0
EX	J277	16.33	0.00	0.00	0	0	0
EX	J276	16.33	0.00	0.00	0	0	0
EX	J322	16.33	0.00	0.00	0	0	0
EX	J323	16.33	0.00	0.00	0	0	0
EX	J278	16.33	0.00	0.00	0	0	0
EX	J286	16.33	0.00	0.00	0	0	0
EX	J224	15.96	0.00	0.00	0	0	0
EX	J228	15.96	0.00	0.00	0	0	0
EX	J232	15.96	0.00	0.00	0	0	0
EX	J236	15.96	0.00	0.00	0	0	0
EX	J240	15.96	0.00	0.00	0	0	0
EX	J223	15.96	0.00	0.00	0	0	0
EX	J227	15.96	0.00	0.00	0	0	0
EX	J231	15.96	0.00	0.00	0	0	0
EX	J235	15.96	0.00	0.00	0	0	0
EX	J239	15.96	0.00	0.00	0	0	0
EX	J205	11.97	0.00	0.00	0	0	0
EX	J200	11.97	0.00	0.00	0	0	0

JointForceLoads (kN-m)

by. Arif Rahman-Kurniawan W

EX	J213	11.97	0.00	0.00	0	0	0
EX	J220	11.97	0.00	0.00	0	0	0
EX	J204	11.97	0.00	0.00	0	0	0
EX	J218	11.97	0.00	0.00	0	0	0
EX	J203	11.97	0.00	0.00	0	0	0
EX	J216	11.97	0.00	0.00	0	0	0
EX	J202	11.97	0.00	0.00	0	0	0
EX	J215	11.97	0.00	0.00	0	0	0
EX	J206	11.97	0.00	0.00	0	0	0
EX	J210	11.97	0.00	0.00	0	0	0
EX	J243	11.97	0.00	0.00	0	0	0
EX	J250	11.97	0.00	0.00	0	0	0
EX	J255	11.97	0.00	0.00	0	0	0
EX	J247	11.97	0.00	0.00	0	0	0
EX	J262	11.97	0.00	0.00	0	0	0
EX	J257	11.97	0.00	0.00	0	0	0
EX	J245	11.97	0.00	0.00	0	0	0
EX	J260	11.97	0.00	0.00	0	0	0
EX	J244	11.97	0.00	0.00	0	0	0
EX	J259	11.97	0.00	0.00	0	0	0
EX	J249	11.97	0.00	0.00	0	0	0
EX	J256	11.97	0.00	0.00	0	0	0
EX	J267	11.97	0.00	0.00	0	0	0
EX	J268	11.97	0.00	0.00	0	0	0
EX	J265	11.97	0.00	0.00	0	0	0
EX	J266	11.97	0.00	0.00	0	0	0
EX	J263	11.97	0.00	0.00	0	0	0
EX	J264	11.97	0.00	0.00	0	0	0
EX	J211	11.97	0.00	0.00	0	0	0
EX	J208	11.97	0.00	0.00	0	0	0
EX	J207	11.97	0.00	0.00	0	0	0
EX	J253	11.97	0.00	0.00	0	0	0
EX	J254	11.97	0.00	0.00	0	0	0
EX	J201	11.97	0.00	0.00	0	0	0
EX	J209	11.97	0.00	0.00	0	0	0
EX	J217	11.97	0.00	0.00	0	0	0
EX	J136	7.85	0.00	0.00	0	0	0
EX	J131	7.85	0.00	0.00	0	0	0
EX	J144	7.85	0.00	0.00	0	0	0
EX	J151	7.85	0.00	0.00	0	0	0
EX	J135	7.85	0.00	0.00	0	0	0
EX	J149	7.85	0.00	0.00	0	0	0
EX	J134	7.85	0.00	0.00	0	0	0
EX	J147	7.85	0.00	0.00	0	0	0
EX	J133	7.85	0.00	0.00	0	0	0
EX	J146	7.85	0.00	0.00	0	0	0
EX	J137	7.85	0.00	0.00	0	0	0
EX	J141	7.85	0.00	0.00	0	0	0
EX	J174	7.85	0.00	0.00	0	0	0
EX	J181	7.85	0.00	0.00	0	0	0
EX	J186	7.85	0.00	0.00	0	0	0
EX	J178	7.85	0.00	0.00	0	0	0
EX	J193	7.85	0.00	0.00	0	0	0
EX	J188	7.85	0.00	0.00	0	0	0
EX	J176	7.85	0.00	0.00	0	0	0
EX	J191	7.85	0.00	0.00	0	0	0
EX	J175	7.85	0.00	0.00	0	0	0
EX	J190	7.85	0.00	0.00	0	0	0
EX	J180	7.85	0.00	0.00	0	0	0
EX	J187	7.85	0.00	0.00	0	0	0
EX	J198	7.85	0.00	0.00	0	0	0
EX	J199	7.85	0.00	0.00	0	0	0
EX	J196	7.85	0.00	0.00	0	0	0
EX	J197	7.85	0.00	0.00	0	0	0
EX	J194	7.85	0.00	0.00	0	0	0
EX	J195	7.85	0.00	0.00	0	0	0
EX	J142	7.85	0.00	0.00	0	0	0
EX	J139	7.85	0.00	0.00	0	0	0
EX	J138	7.85	0.00	0.00	0	0	0
EX	J184	7.85	0.00	0.00	0	0	0

JointForceLoads (kN-m)

by. Arif Rahman-Kurniawan W

EX	J185	7.85	0.00	0.00	0	0	0
EX	J132	7.85	0.00	0.00	0	0	0
EX	J140	7.85	0.00	0.00	0	0	0
EX	J148	7.85	0.00	0.00	0	0	0
EX	J155	10.47	0.00	0.00	0	0	0
EX	J159	10.47	0.00	0.00	0	0	0
EX	J163	10.47	0.00	0.00	0	0	0
EX	J167	10.47	0.00	0.00	0	0	0
EX	J171	10.47	0.00	0.00	0	0	0
EX	J154	10.47	0.00	0.00	0	0	0
EX	J158	10.47	0.00	0.00	0	0	0
EX	J162	10.47	0.00	0.00	0	0	0
EX	J166	10.47	0.00	0.00	0	0	0
EX	J170	10.47	0.00	0.00	0	0	0
EX	J86	5.17	0.00	0.00	0	0	0
EX	J90	5.17	0.00	0.00	0	0	0
EX	J94	5.17	0.00	0.00	0	0	0
EX	J98	5.17	0.00	0.00	0	0	0
EX	J102	5.17	0.00	0.00	0	0	0
EX	J85	5.17	0.00	0.00	0	0	0
EX	J89	5.17	0.00	0.00	0	0	0
EX	J93	5.17	0.00	0.00	0	0	0
EX	J97	5.17	0.00	0.00	0	0	0
EX	J101	5.17	0.00	0.00	0	0	0
EX	J67	3.88	0.00	0.00	0	0	0
EX	J62	3.88	0.00	0.00	0	0	0
EX	J75	3.88	0.00	0.00	0	0	0
EX	J82	3.88	0.00	0.00	0	0	0
EX	J66	3.88	0.00	0.00	0	0	0
EX	J80	3.88	0.00	0.00	0	0	0
EX	J65	3.88	0.00	0.00	0	0	0
EX	J78	3.88	0.00	0.00	0	0	0
EX	J64	3.88	0.00	0.00	0	0	0
EX	J77	3.88	0.00	0.00	0	0	0
EX	J68	3.88	0.00	0.00	0	0	0
EX	J72	3.88	0.00	0.00	0	0	0
EX	J105	3.88	0.00	0.00	0	0	0
EX	J112	3.88	0.00	0.00	0	0	0
EX	J117	3.88	0.00	0.00	0	0	0
EX	J109	3.88	0.00	0.00	0	0	0
EX	J124	3.88	0.00	0.00	0	0	0
EX	J119	3.88	0.00	0.00	0	0	0
EX	J107	3.88	0.00	0.00	0	0	0
EX	J122	3.88	0.00	0.00	0	0	0
EX	J106	3.88	0.00	0.00	0	0	0
EX	J121	3.88	0.00	0.00	0	0	0
EX	J111	3.88	0.00	0.00	0	0	0
EX	J118	3.88	0.00	0.00	0	0	0
EX	J129	3.88	0.00	0.00	0	0	0
EX	J130	3.88	0.00	0.00	0	0	0
EX	J127	3.88	0.00	0.00	0	0	0
EX	J128	3.88	0.00	0.00	0	0	0
EX	J125	3.88	0.00	0.00	0	0	0
EX	J126	3.88	0.00	0.00	0	0	0
EX	J73	3.88	0.00	0.00	0	0	0
EX	J70	3.88	0.00	0.00	0	0	0
EX	J69	3.88	0.00	0.00	0	0	0
EX	J115	3.88	0.00	0.00	0	0	0
EX	J116	3.88	0.00	0.00	0	0	0
EX	J63	3.88	0.00	0.00	0	0	0
EX	J71	3.88	0.00	0.00	0	0	0
EX	J79	3.88	0.00	0.00	0	0	0
EY	J370	0.00	4.75	0.00	0	0	0
EY	J377	0.00	4.75	0.00	0	0	0
EY	J375	0.00	4.75	0.00	0	0	0
EY	J373	0.00	4.75	0.00	0	0	0
EY	J372	0.00	4.75	0.00	0	0	0
EY	J378	0.00	4.75	0.00	0	0	0
EY	J379	0.00	4.75	0.00	0	0	0
EY	J380	0.00	4.75	0.00	0	0	0

JointForceLoads (kN-m)

by. Arif Rahman-Kurniawan W

EY	J381	0.00	4.75	0.00	0	0	0
EY	J382	0.00	4.75	0.00	0	0	0
EY	J383	0.00	4.75	0.00	0	0	0
EY	J384	0.00	4.75	0.00	0	0	0
EY	J385	0.00	4.75	0.00	0	0	0
EY	J386	0.00	4.75	0.00	0	0	0
EY	J387	0.00	4.75	0.00	0	0	0
EY	J388	0.00	4.75	0.00	0	0	0
EY	J392	0.00	4.75	0.00	0	0	0
EY	J389	0.00	4.75	0.00	0	0	0
EY	J390	0.00	4.75	0.00	0	0	0
EY	J374	0.00	4.75	0.00	0	0	0
EY	J338	0.00	4.75	0.00	0	0	0
EY	J343	0.00	4.75	0.00	0	0	0
EY	J342	0.00	4.75	0.00	0	0	0
EY	J340	0.00	4.75	0.00	0	0	0
EY	J341	0.00	4.75	0.00	0	0	0
EY	J339	0.00	4.75	0.00	0	0	0
EY	J344	0.00	4.75	0.00	0	0	0
EY	J349	0.00	4.75	0.00	0	0	0
EY	J348	0.00	4.75	0.00	0	0	0
EY	J345	0.00	4.75	0.00	0	0	0
EY	J346	0.00	4.75	0.00	0	0	0
EY	J347	0.00	4.75	0.00	0	0	0
EY	J360	0.00	4.75	0.00	0	0	0
EY	J364	0.00	4.75	0.00	0	0	0
EY	J363	0.00	4.75	0.00	0	0	0
EY	J362	0.00	4.75	0.00	0	0	0
EY	J365	0.00	4.75	0.00	0	0	0
EY	J369	0.00	4.75	0.00	0	0	0
EY	J368	0.00	4.75	0.00	0	0	0
EY	J367	0.00	4.75	0.00	0	0	0
EY	J293	0.00	21.77	0.00	0	0	0
EY	J297	0.00	21.77	0.00	0	0	0
EY	J301	0.00	21.77	0.00	0	0	0
EY	J305	0.00	21.77	0.00	0	0	0
EY	J309	0.00	21.77	0.00	0	0	0
EY	J292	0.00	21.77	0.00	0	0	0
EY	J296	0.00	21.77	0.00	0	0	0
EY	J300	0.00	21.77	0.00	0	0	0
EY	J304	0.00	21.77	0.00	0	0	0
EY	J308	0.00	21.77	0.00	0	0	0
EY	J269	0.00	13.49	0.00	0	0	0
EY	J270	0.00	13.49	0.00	0	0	0
EY	J271	0.00	13.49	0.00	0	0	0
EY	J272	0.00	13.49	0.00	0	0	0
EY	J273	0.00	13.49	0.00	0	0	0
EY	J274	0.00	13.49	0.00	0	0	0
EY	J282	0.00	13.49	0.00	0	0	0
EY	J289	0.00	13.49	0.00	0	0	0
EY	J287	0.00	13.49	0.00	0	0	0
EY	J285	0.00	13.49	0.00	0	0	0
EY	J284	0.00	13.49	0.00	0	0	0
EY	J275	0.00	13.49	0.00	0	0	0
EY	J279	0.00	13.49	0.00	0	0	0
EY	J312	0.00	13.49	0.00	0	0	0
EY	J319	0.00	13.49	0.00	0	0	0
EY	J324	0.00	13.49	0.00	0	0	0
EY	J316	0.00	13.49	0.00	0	0	0
EY	J331	0.00	13.49	0.00	0	0	0
EY	J326	0.00	13.49	0.00	0	0	0
EY	J314	0.00	13.49	0.00	0	0	0
EY	J329	0.00	13.49	0.00	0	0	0
EY	J313	0.00	13.49	0.00	0	0	0
EY	J328	0.00	13.49	0.00	0	0	0
EY	J318	0.00	13.49	0.00	0	0	0
EY	J325	0.00	13.49	0.00	0	0	0
EY	J336	0.00	13.49	0.00	0	0	0
EY	J337	0.00	13.49	0.00	0	0	0
EY	J334	0.00	13.49	0.00	0	0	0

Joint Loads (kN-m)

by Arif Rahman-Kurniawan W

EY	J335	0.00	13.49	0.00	0	0	0
EY	J332	0.00	13.49	0.00	0	0	0
EY	J333	0.00	13.49	0.00	0	0	0
EY	J280	0.00	13.49	0.00	0	0	0
EY	J277	0.00	13.49	0.00	0	0	0
EY	J276	0.00	13.49	0.00	0	0	0
EY	J322	0.00	13.49	0.00	0	0	0
EY	J323	0.00	13.49	0.00	0	0	0
EY	J278	0.00	13.49	0.00	0	0	0
EY	J286	0.00	13.49	0.00	0	0	0
EY	J224	0.00	23.45	0.00	0	0	0
EY	J228	0.00	23.45	0.00	0	0	0
EY	J232	0.00	23.45	0.00	0	0	0
EY	J236	0.00	23.45	0.00	0	0	0
EY	J240	0.00	23.45	0.00	0	0	0
EY	J223	0.00	23.45	0.00	0	0	0
EY	J227	0.00	23.45	0.00	0	0	0
EY	J231	0.00	23.45	0.00	0	0	0
EY	J235	0.00	23.45	0.00	0	0	0
EY	J239	0.00	23.45	0.00	0	0	0
EY	J205	0.00	9.89	0.00	0	0	0
EY	J200	0.00	9.89	0.00	0	0	0
EY	J213	0.00	9.89	0.00	0	0	0
EY	J220	0.00	9.89	0.00	0	0	0
EY	J204	0.00	9.89	0.00	0	0	0
EY	J218	0.00	9.89	0.00	0	0	0
EY	J203	0.00	9.89	0.00	0	0	0
EY	J216	0.00	9.89	0.00	0	0	0
EY	J202	0.00	9.89	0.00	0	0	0
EY	J215	0.00	9.89	0.00	0	0	0
EY	J206	0.00	9.89	0.00	0	0	0
EY	J210	0.00	9.89	0.00	0	0	0
EY	J243	0.00	9.89	0.00	0	0	0
EY	J250	0.00	9.89	0.00	0	0	0
EY	J255	0.00	9.89	0.00	0	0	0
EY	J247	0.00	9.89	0.00	0	0	0
EY	J262	0.00	9.89	0.00	0	0	0
EY	J257	0.00	9.89	0.00	0	0	0
EY	J245	0.00	9.89	0.00	0	0	0
EY	J260	0.00	9.89	0.00	0	0	0
EY	J244	0.00	9.89	0.00	0	0	0
EY	J259	0.00	9.89	0.00	0	0	0
EY	J249	0.00	9.89	0.00	0	0	0
EY	J256	0.00	9.89	0.00	0	0	0
EY	J267	0.00	9.89	0.00	0	0	0
EY	J268	0.00	9.89	0.00	0	0	0
EY	J265	0.00	9.89	0.00	0	0	0
EY	J266	0.00	9.89	0.00	0	0	0
EY	J263	0.00	9.89	0.00	0	0	0
EY	J264	0.00	9.89	0.00	0	0	0
EY	J211	0.00	9.89	0.00	0	0	0
EY	J208	0.00	9.89	0.00	0	0	0
EY	J207	0.00	9.89	0.00	0	0	0
EY	J253	0.00	9.89	0.00	0	0	0
EY	J254	0.00	9.89	0.00	0	0	0
EY	J201	0.00	9.89	0.00	0	0	0
EY	J209	0.00	9.89	0.00	0	0	0
EY	J217	0.00	9.89	0.00	0	0	0
EY	J136	0.00	6.49	0.00	0	0	0
EY	J131	0.00	6.49	0.00	0	0	0
EY	J144	0.00	6.49	0.00	0	0	0
EY	J151	0.00	6.49	0.00	0	0	0
EY	J135	0.00	6.49	0.00	0	0	0
EY	J149	0.00	6.49	0.00	0	0	0
EY	J134	0.00	6.49	0.00	0	0	0
EY	J147	0.00	6.49	0.00	0	0	0
EY	J133	0.00	6.49	0.00	0	0	0
EY	J146	0.00	6.49	0.00	0	0	0
EY	J137	0.00	6.49	0.00	0	0	0
EY	J141	0.00	6.49	0.00	0	0	0

JointForceLoads (kN-m)

by. Arif Rahman-Kurniawan W

EY	J174	0.00	6.49	0.00	0	0	0
EY	J181	0.00	6.49	0.00	0	0	0
EY	J186	0.00	6.49	0.00	0	0	0
EY	J178	0.00	6.49	0.00	0	0	0
EY	J193	0.00	6.49	0.00	0	0	0
EY	J188	0.00	6.49	0.00	0	0	0
EY	J176	0.00	6.49	0.00	0	0	0
EY	J191	0.00	6.49	0.00	0	0	0
EY	J175	0.00	6.49	0.00	0	0	0
EY	J190	0.00	6.49	0.00	0	0	0
EY	J180	0.00	6.49	0.00	0	0	0
EY	J187	0.00	6.49	0.00	0	0	0
EY	J198	0.00	6.49	0.00	0	0	0
EY	J199	0.00	6.49	0.00	0	0	0
EY	J196	0.00	6.49	0.00	0	0	0
EY	J197	0.00	6.49	0.00	0	0	0
EY	J194	0.00	6.49	0.00	0	0	0
EY	J195	0.00	6.49	0.00	0	0	0
EY	J142	0.00	6.49	0.00	0	0	0
EY	J139	0.00	6.49	0.00	0	0	0
EY	J138	0.00	6.49	0.00	0	0	0
EY	J184	0.00	6.49	0.00	0	0	0
EY	J185	0.00	6.49	0.00	0	0	0
EY	J132	0.00	6.49	0.00	0	0	0
EY	J140	0.00	6.49	0.00	0	0	0
EY	J148	0.00	6.49	0.00	0	0	0
EY	J155	0.00	15.38	0.00	0	0	0
EY	J159	0.00	15.38	0.00	0	0	0
EY	J163	0.00	15.38	0.00	0	0	0
EY	J167	0.00	15.38	0.00	0	0	0
EY	J171	0.00	15.38	0.00	0	0	0
EY	J154	0.00	15.38	0.00	0	0	0
EY	J158	0.00	15.38	0.00	0	0	0
EY	J162	0.00	15.38	0.00	0	0	0
EY	J166	0.00	15.38	0.00	0	0	0
EY	J170	0.00	15.38	0.00	0	0	0
EY	J86	0.00	7.59	0.00	0	0	0
EY	J90	0.00	7.59	0.00	0	0	0
EY	J94	0.00	7.59	0.00	0	0	0
EY	J98	0.00	7.59	0.00	0	0	0
EY	J102	0.00	7.59	0.00	0	0	0
EY	J85	0.00	7.59	0.00	0	0	0
EY	J89	0.00	7.59	0.00	0	0	0
EY	J93	0.00	7.59	0.00	0	0	0
EY	J97	0.00	7.59	0.00	0	0	0
EY	J101	0.00	7.59	0.00	0	0	0
EY	J67	0.00	3.20	0.00	0	0	0
EY	J62	0.00	3.20	0.00	0	0	0
EY	J75	0.00	3.20	0.00	0	0	0
EY	J82	0.00	3.20	0.00	0	0	0
EY	J66	0.00	3.20	0.00	0	0	0
EY	J80	0.00	3.20	0.00	0	0	0
EY	J65	0.00	3.20	0.00	0	0	0
EY	J78	0.00	3.20	0.00	0	0	0
EY	J64	0.00	3.20	0.00	0	0	0
EY	J77	0.00	3.20	0.00	0	0	0
EY	J68	0.00	3.20	0.00	0	0	0
EY	J72	0.00	3.20	0.00	0	0	0
EY	J105	0.00	3.20	0.00	0	0	0
EY	J112	0.00	3.20	0.00	0	0	0
EY	J117	0.00	3.20	0.00	0	0	0
EY	J109	0.00	3.20	0.00	0	0	0
EY	J124	0.00	3.20	0.00	0	0	0
EY	J119	0.00	3.20	0.00	0	0	0
EY	J107	0.00	3.20	0.00	0	0	0
EY	J122	0.00	3.20	0.00	0	0	0
EY	J106	0.00	3.20	0.00	0	0	0
EY	J121	0.00	3.20	0.00	0	0	0
EY	J111	0.00	3.20	0.00	0	0	0
EY	J118	0.00	3.20	0.00	0	0	0

JointForceLoads (kN-m)

by. Arif Rahman-Kurniawan W

EY	J129	0.00	3.20	0.00	0	0	0
EY	J130	0.00	3.20	0.00	0	0	0
EY	J127	0.00	3.20	0.00	0	0	0
EY	J128	0.00	3.20	0.00	0	0	0
EY	J125	0.00	3.20	0.00	0	0	0
EY	J126	0.00	3.20	0.00	0	0	0
EY	J73	0.00	3.20	0.00	0	0	0
EY	J70	0.00	3.20	0.00	0	0	0
EY	J69	0.00	3.20	0.00	0	0	0
EY	J115	0.00	3.20	0.00	0	0	0
EY	J116	0.00	3.20	0.00	0	0	0
EY	J63	0.00	3.20	0.00	0	0	0
EY	J71	0.00	3.20	0.00	0	0	0
EY	J79	0.00	3.20	0.00	0	0	0

FRAME	TYPE	CSYS	DIRECTION	DISTANCE	VALUE
F97	FORCE	GLOBAL	Z	0.29	-22.90
F189	FORCE	GLOBAL	Z	0.29	-22.90
F281	FORCE	GLOBAL	Z	0.29	-22.90
F97	FORCE	GLOBAL	Z	0.43	-22.65
F189	FORCE	GLOBAL	Z	0.43	-22.65
F281	FORCE	GLOBAL	Z	0.43	-22.65
F97	FORCE	GLOBAL	Z	0.64	-22.90
F189	FORCE	GLOBAL	Z	0.64	-22.90
F281	FORCE	GLOBAL	Z	0.64	-22.90
F109	FORCE	GLOBAL	Z	0.51	-22.65
F201	FORCE	GLOBAL	Z	0.51	-22.65
F293	FORCE	GLOBAL	Z	0.51	-22.65
F201	FORCE	GLOBAL	Z	0.66	-27.60
F293	FORCE	GLOBAL	Z	0.66	-27.60
F119	FORCE	GLOBAL	Z	0.42	-42.88
F119	FORCE	GLOBAL	Z	0.58	-42.88
F124	FORCE	GLOBAL	Z	0.42	-42.88
F124	FORCE	GLOBAL	Z	0.58	-42.88
F129	FORCE	GLOBAL	Z	0.42	-42.88
F129	FORCE	GLOBAL	Z	0.58	-42.88
F134	FORCE	GLOBAL	Z	0.42	-42.88
F134	FORCE	GLOBAL	Z	0.58	-42.88
F139	FORCE	GLOBAL	Z	0.42	-42.88
F139	FORCE	GLOBAL	Z	0.58	-42.88
F211	FORCE	GLOBAL	Z	0.42	-42.88
F211	FORCE	GLOBAL	Z	0.58	-42.88
F216	FORCE	GLOBAL	Z	0.42	-42.88
F216	FORCE	GLOBAL	Z	0.58	-42.88
F221	FORCE	GLOBAL	Z	0.42	-42.88
F221	FORCE	GLOBAL	Z	0.58	-42.88
F226	FORCE	GLOBAL	Z	0.42	-42.88
F226	FORCE	GLOBAL	Z	0.58	-42.88
F231	FORCE	GLOBAL	Z	0.42	-42.88
F231	FORCE	GLOBAL	Z	0.58	-42.88
F303	FORCE	GLOBAL	Z	0.42	-42.88
F303	FORCE	GLOBAL	Z	0.58	-42.88
F308	FORCE	GLOBAL	Z	0.42	-42.88
F308	FORCE	GLOBAL	Z	0.58	-42.88
F313	FORCE	GLOBAL	Z	0.42	-42.88
F313	FORCE	GLOBAL	Z	0.58	-42.88
F318	FORCE	GLOBAL	Z	0.42	-42.88
F318	FORCE	GLOBAL	Z	0.58	-42.88
F323	FORCE	GLOBAL	Z	0.42	-42.88
F323	FORCE	GLOBAL	Z	0.58	-42.88
F211	FORCE	GLOBAL	Z	0.28	-55.20
F211	FORCE	GLOBAL	Z	0.72	-55.20
F216	FORCE	GLOBAL	Z	0.28	-55.20
F216	FORCE	GLOBAL	Z	0.72	-55.20
F221	FORCE	GLOBAL	Z	0.28	-55.20
F221	FORCE	GLOBAL	Z	0.72	-55.20
F226	FORCE	GLOBAL	Z	0.28	-55.20
F226	FORCE	GLOBAL	Z	0.72	-55.20
F231	FORCE	GLOBAL	Z	0.28	-55.20
F231	FORCE	GLOBAL	Z	0.72	-55.20
F303	FORCE	GLOBAL	Z	0.28	-55.20
F303	FORCE	GLOBAL	Z	0.72	-55.20
F308	FORCE	GLOBAL	Z	0.28	-55.20
F308	FORCE	GLOBAL	Z	0.72	-55.20
F313	FORCE	GLOBAL	Z	0.28	-55.20
F313	FORCE	GLOBAL	Z	0.72	-55.20
F318	FORCE	GLOBAL	Z	0.28	-55.20
F318	FORCE	GLOBAL	Z	0.72	-55.20
F323	FORCE	GLOBAL	Z	0.28	-55.20
F323	FORCE	GLOBAL	Z	0.72	-55.20
F236	FORCE	GLOBAL	Z	0.34	-55.50
F328	FORCE	GLOBAL	Z	0.34	-55.50
F238	FORCE	GLOBAL	Z	0.66	-27.60

FramePointloads (kN-m)

by. Arif Rahman-Kurniawan W

F330	FORCE	GLOBAL	Z	0.66	-27.60
F238	FORCE	GLOBAL	Z	0.41	-54.44
F330	FORCE	GLOBAL	Z	0.41	-54.44
F158	FORCE	GLOBAL	Z	0.49	-108.88
F250	FORCE	GLOBAL	Z	0.49	-108.88
F342	FORCE	GLOBAL	Z	0.49	-108.88
F156	FORCE	GLOBAL	Z	0.00	-12.22
F156	FORCE	GLOBAL	Z	0.45	-12.22
F248	FORCE	GLOBAL	Z	0.00	-12.22
F248	FORCE	GLOBAL	Z	0.45	-12.22
F340	FORCE	GLOBAL	Z	0.00	-12.22
F340	FORCE	GLOBAL	Z	0.45	-12.22
F177	FORCE	GLOBAL	Z	0.25	-8.30
F177	FORCE	GLOBAL	Z	0.49	-8.30
F177	FORCE	GLOBAL	Z	0.75	-8.30
F176	FORCE	GLOBAL	Z	0.25	-8.30
F176	FORCE	GLOBAL	Z	0.49	-8.30
F176	FORCE	GLOBAL	Z	0.75	-8.30
F268	FORCE	GLOBAL	Z	0.27	-6.11
F268	FORCE	GLOBAL	Z	0.55	-6.11
F360	FORCE	GLOBAL	Z	0.27	-6.11
F360	FORCE	GLOBAL	Z	0.55	-6.11
F269	FORCE	GLOBAL	Z	0.36	-9.24
F361	FORCE	GLOBAL	Z	0.36	-9.24
F96	FORCE	GLOBAL	Z	0.29	-10.20
F188	FORCE	GLOBAL	Z	0.29	-10.20
F280	FORCE	GLOBAL	Z	0.29	-10.20
F95	FORCE	GLOBAL	Z	0.71	-10.20
F187	FORCE	GLOBAL	Z	0.71	-10.20
F279	FORCE	GLOBAL	Z	0.71	-10.20
F163	FORCE	GLOBAL	Z	0.47	-15.82
F255	FORCE	GLOBAL	Z	0.71	-15.82
F347	FORCE	GLOBAL	Z	0.71	-15.82
F162	FORCE	GLOBAL	Z	0.47	-12.88
F254	FORCE	GLOBAL	Z	0.47	-12.88
F346	FORCE	GLOBAL	Z	0.47	-12.88
F242	FORCE	GLOBAL	Z	0.50	-8.38
F334	FORCE	GLOBAL	Z	0.50	-8.38
F160	FORCE	GLOBAL	Z	0.53	-18.28
F161	FORCE	GLOBAL	Z	0.53	-18.28
F252	FORCE	GLOBAL	Z	0.53	-18.28
F253	FORCE	GLOBAL	Z	0.53	-18.28
F344	FORCE	GLOBAL	Z	0.53	-18.28
F345	FORCE	GLOBAL	Z	0.53	-18.28
F92	FORCE	GLOBAL	Z	0.50	-8.38
F184	FORCE	GLOBAL	Z	0.50	-8.38
F276	FORCE	GLOBAL	Z	0.50	-8.38
F373	FORCE	GLOBAL	Z	0.43	-23.60
F146	FORCE	GLOBAL	Z	0.24	-54.44
F168	FORCE	GLOBAL	Z	0.25	-8.30
F168	FORCE	GLOBAL	Z	0.49	-8.30
F168	FORCE	GLOBAL	Z	0.75	-8.30
F168	FORCE	GLOBAL	Z	0.36	-54.44
F166	FORCE	GLOBAL	Z	0.25	-8.30
F166	FORCE	GLOBAL	Z	0.49	-8.30
F166	FORCE	GLOBAL	Z	0.75	-8.30
F166	FORCE	GLOBAL	Z	0.55	-6.11
F166	FORCE	GLOBAL	Z	1.00	-6.11
F88	FORCE	GLOBAL	Z	0.64	-22.90
F87	FORCE	GLOBAL	Z	0.33	-22.90
F260	FORCE	GLOBAL	Z	0.36	-63.68
F258	FORCE	GLOBAL	Z	0.27	-12.22
F258	FORCE	GLOBAL	Z	0.55	-12.22
F258	FORCE	GLOBAL	Z	1.00	-6.11
F180	FORCE	GLOBAL	Z	0.64	-22.90
F179	FORCE	GLOBAL	Z	0.33	-22.90
F352	FORCE	GLOBAL	Z	0.36	-63.68
F350	FORCE	GLOBAL	Z	0.27	-12.22
F350	FORCE	GLOBAL	Z	0.55	-12.22
F350	FORCE	GLOBAL	Z	1.00	-6.11

FramePointloads (kN-m)

by. Arif Rahman-Kurniawan W

D	F272	FORCE	GLOBAL	Z	0.64	-22.90
D	F271	FORCE	GLOBAL	Z	0.33	-22.90
D	F386	FORCE	GLOBAL	Z	0.34	-23.60
D	F204	FORCE	GLOBAL	Z	0.34	-27.60
D	F296	FORCE	GLOBAL	Z	0.34	-27.60
L	F97	FORCE	GLOBAL	Z	0.29	-10.20
L	F189	FORCE	GLOBAL	Z	0.29	-10.20
L	F281	FORCE	GLOBAL	Z	0.29	-10.20
L	F97	FORCE	GLOBAL	Z	0.43	-10.10
L	F189	FORCE	GLOBAL	Z	0.43	-10.10
L	F281	FORCE	GLOBAL	Z	0.43	-10.10
L	F97	FORCE	GLOBAL	Z	0.64	-10.20
L	F189	FORCE	GLOBAL	Z	0.64	-10.20
L	F281	FORCE	GLOBAL	Z	0.64	-10.20
L	F109	FORCE	GLOBAL	Z	0.51	-10.10
L	F201	FORCE	GLOBAL	Z	0.51	-10.10
L	F293	FORCE	GLOBAL	Z	0.51	-10.10
L	F201	FORCE	GLOBAL	Z	0.66	-10.22
L	F293	FORCE	GLOBAL	Z	0.66	-10.22
L	F119	FORCE	GLOBAL	Z	0.42	-18.82
L	F119	FORCE	GLOBAL	Z	0.58	-18.82
L	F124	FORCE	GLOBAL	Z	0.42	-18.82
L	F124	FORCE	GLOBAL	Z	0.58	-18.82
L	F129	FORCE	GLOBAL	Z	0.42	-18.82
L	F129	FORCE	GLOBAL	Z	0.58	-18.82
L	F134	FORCE	GLOBAL	Z	0.42	-18.82
L	F134	FORCE	GLOBAL	Z	0.58	-18.82
L	F139	FORCE	GLOBAL	Z	0.42	-18.82
L	F139	FORCE	GLOBAL	Z	0.58	-18.82
L	F211	FORCE	GLOBAL	Z	0.42	-18.82
L	F211	FORCE	GLOBAL	Z	0.58	-18.82
L	F216	FORCE	GLOBAL	Z	0.42	-18.82
L	F216	FORCE	GLOBAL	Z	0.58	-18.82
L	F221	FORCE	GLOBAL	Z	0.42	-18.82
L	F221	FORCE	GLOBAL	Z	0.58	-18.82
L	F226	FORCE	GLOBAL	Z	0.42	-18.82
L	F226	FORCE	GLOBAL	Z	0.58	-18.82
L	F231	FORCE	GLOBAL	Z	0.42	-18.82
L	F231	FORCE	GLOBAL	Z	0.58	-18.82
L	F303	FORCE	GLOBAL	Z	0.42	-18.82
L	F303	FORCE	GLOBAL	Z	0.58	-18.82
L	F308	FORCE	GLOBAL	Z	0.42	-18.82
L	F308	FORCE	GLOBAL	Z	0.58	-18.82
L	F313	FORCE	GLOBAL	Z	0.42	-18.82
L	F313	FORCE	GLOBAL	Z	0.58	-18.82
L	F318	FORCE	GLOBAL	Z	0.42	-18.82
L	F318	FORCE	GLOBAL	Z	0.58	-18.82
L	F323	FORCE	GLOBAL	Z	0.42	-18.82
L	F323	FORCE	GLOBAL	Z	0.58	-18.82
L	F211	FORCE	GLOBAL	Z	0.28	-20.44
L	F211	FORCE	GLOBAL	Z	0.72	-20.44
L	F216	FORCE	GLOBAL	Z	0.28	-20.44
L	F216	FORCE	GLOBAL	Z	0.72	-20.44
L	F221	FORCE	GLOBAL	Z	0.28	-20.44
L	F221	FORCE	GLOBAL	Z	0.72	-20.44
L	F226	FORCE	GLOBAL	Z	0.28	-20.44
L	F226	FORCE	GLOBAL	Z	0.72	-20.44
L	F231	FORCE	GLOBAL	Z	0.28	-20.44
L	F231	FORCE	GLOBAL	Z	0.72	-20.44
L	F303	FORCE	GLOBAL	Z	0.28	-20.44
L	F303	FORCE	GLOBAL	Z	0.72	-20.44
L	F308	FORCE	GLOBAL	Z	0.28	-20.44
L	F308	FORCE	GLOBAL	Z	0.72	-20.44
L	F313	FORCE	GLOBAL	Z	0.28	-20.44
L	F313	FORCE	GLOBAL	Z	0.72	-20.44
L	F318	FORCE	GLOBAL	Z	0.28	-20.44
L	F318	FORCE	GLOBAL	Z	0.72	-20.44
L	F323	FORCE	GLOBAL	Z	0.28	-20.44
L	F323	FORCE	GLOBAL	Z	0.72	-20.44
L	F236	FORCE	GLOBAL	Z	0.34	-20.44

FramePointloads (kN-m)

by. Arif Rahman-Kurniawan W

L	F328	FORCE	GLOBAL	Z	0.34	-20.44
L	F238	FORCE	GLOBAL	Z	0.66	-10.22
L	F330	FORCE	GLOBAL	Z	0.66	-10.22
L	F238	FORCE	GLOBAL	Z	0.41	-14.91
L	F330	FORCE	GLOBAL	Z	0.41	-14.91
L	F158	FORCE	GLOBAL	Z	0.49	-29.82
L	F250	FORCE	GLOBAL	Z	0.49	-29.82
L	F342	FORCE	GLOBAL	Z	0.49	-29.82
L	F156	FORCE	GLOBAL	Z	0.00	-4.60
L	F156	FORCE	GLOBAL	Z	0.45	-4.60
L	F248	FORCE	GLOBAL	Z	0.00	-4.60
L	F248	FORCE	GLOBAL	Z	0.45	-4.60
L	F340	FORCE	GLOBAL	Z	0.00	-4.60
L	F340	FORCE	GLOBAL	Z	0.45	-4.60
L	F153	FORCE	GLOBAL	Z	0.22	-18.66
L	F245	FORCE	GLOBAL	Z	0.22	-18.66
L	F337	FORCE	GLOBAL	Z	0.22	-18.66
L	F177	FORCE	GLOBAL	Z	0.25	-3.15
L	F177	FORCE	GLOBAL	Z	0.49	-3.15
L	F177	FORCE	GLOBAL	Z	0.75	-3.15
L	F176	FORCE	GLOBAL	Z	0.25	-3.15
L	F176	FORCE	GLOBAL	Z	0.49	-3.15
L	F176	FORCE	GLOBAL	Z	0.75	-3.15
L	F176	FORCE	GLOBAL	Z	0.75	-3.15
L	F268	FORCE	GLOBAL	Z	0.27	-2.30
L	F268	FORCE	GLOBAL	Z	0.55	-2.30
L	F360	FORCE	GLOBAL	Z	0.27	-2.30
L	F360	FORCE	GLOBAL	Z	0.55	-2.30
L	F269	FORCE	GLOBAL	Z	0.36	-3.68
L	F361	FORCE	GLOBAL	Z	0.36	-3.68
L	F96	FORCE	GLOBAL	Z	0.29	-3.60
L	F188	FORCE	GLOBAL	Z	0.29	-3.60
L	F280	FORCE	GLOBAL	Z	0.29	-3.60
L	F95	FORCE	GLOBAL	Z	0.71	-3.60
L	F187	FORCE	GLOBAL	Z	0.71	-3.60
L	F279	FORCE	GLOBAL	Z	0.71	-3.60
L	F163	FORCE	GLOBAL	Z	0.47	-6.89
L	F255	FORCE	GLOBAL	Z	0.71	-6.89
L	F347	FORCE	GLOBAL	Z	0.71	-6.89
L	F162	FORCE	GLOBAL	Z	0.47	-5.22
L	F254	FORCE	GLOBAL	Z	0.47	-5.22
L	F346	FORCE	GLOBAL	Z	0.47	-5.22
L	F242	FORCE	GLOBAL	Z	0.50	-3.27
L	F334	FORCE	GLOBAL	Z	0.50	-3.27
L	F160	FORCE	GLOBAL	Z	0.53	-6.47
L	F161	FORCE	GLOBAL	Z	0.53	-6.47
L	F252	FORCE	GLOBAL	Z	0.53	-6.47
L	F253	FORCE	GLOBAL	Z	0.53	-6.47
L	F344	FORCE	GLOBAL	Z	0.53	-6.47
L	F345	FORCE	GLOBAL	Z	0.53	-6.47
L	F92	FORCE	GLOBAL	Z	0.50	-3.63
L	F184	FORCE	GLOBAL	Z	0.50	-3.63
L	F276	FORCE	GLOBAL	Z	0.50	-3.63
L	F373	FORCE	GLOBAL	Z	0.43	-60.40
L	F146	FORCE	GLOBAL	Z	0.24	-14.91
L	F168	FORCE	GLOBAL	Z	0.25	-3.15
L	F168	FORCE	GLOBAL	Z	0.49	-3.15
L	F168	FORCE	GLOBAL	Z	0.75	-3.15
L	F168	FORCE	GLOBAL	Z	0.36	-14.91
L	F166	FORCE	GLOBAL	Z	0.25	-3.15
L	F166	FORCE	GLOBAL	Z	0.49	-3.15
L	F166	FORCE	GLOBAL	Z	0.75	-3.15
L	F166	FORCE	GLOBAL	Z	0.55	-2.30
L	F166	FORCE	GLOBAL	Z	1.00	-2.30
L	F88	FORCE	GLOBAL	Z	0.64	-10.20
L	F87	FORCE	GLOBAL	Z	0.33	-10.20
L	F260	FORCE	GLOBAL	Z	0.36	-18.59
L	F258	FORCE	GLOBAL	Z	0.27	-4.60
L	F258	FORCE	GLOBAL	Z	0.55	-4.60
L	F258	FORCE	GLOBAL	Z	1.00	-2.33
L	F180	FORCE	GLOBAL	Z	0.64	-10.20

LOAD	FRAME	TYPE	CSYS	DIRECTION	DISTANCE_A	VALUE_A	DISTANCE_B	VALUE_B
D	F91	FORCE	GLOBAL	Z	0.00	0.00	0.42	-6.10
D	F91	FORCE	GLOBAL	Z	0.42	-6.10	0.58	-6.10
D	F91	FORCE	GLOBAL	Z	0.58	-6.10	1.00	0.00
D	F183	FORCE	GLOBAL	Z	0.00	0.00	0.42	-6.10
D	F183	FORCE	GLOBAL	Z	0.42	-6.10	0.58	-6.10
D	F183	FORCE	GLOBAL	Z	0.58	-6.10	1.00	0.00
D	F275	FORCE	GLOBAL	Z	0.00	0.00	0.42	-6.10
D	F275	FORCE	GLOBAL	Z	0.42	-6.10	0.58	-6.10
D	F275	FORCE	GLOBAL	Z	0.58	-6.10	1.00	0.00
D	F91	FORCE	GLOBAL	Z	0.00	0.00	0.17	-1.53
D	F91	FORCE	GLOBAL	Z	0.17	-1.53	0.83	-1.53
D	F91	FORCE	GLOBAL	Z	0.83	-1.53	1.00	0.00
D	F183	FORCE	GLOBAL	Z	0.00	0.00	0.17	-1.53
D	F183	FORCE	GLOBAL	Z	0.17	-1.53	0.83	-1.53
D	F183	FORCE	GLOBAL	Z	0.83	-1.53	1.00	0.00
D	F275	FORCE	GLOBAL	Z	0.00	0.00	0.17	-1.53
D	F275	FORCE	GLOBAL	Z	0.17	-1.53	0.83	-1.53
D	F275	FORCE	GLOBAL	Z	0.83	-1.53	1.00	0.00
D	F91	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F183	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F275	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F182	FORCE	GLOBAL	Z	0.00	0.00	0.45	-8.54
D	F182	FORCE	GLOBAL	Z	0.45	-8.54	0.55	-8.54
D	F182	FORCE	GLOBAL	Z	0.55	-8.54	1.00	0.00
D	F274	FORCE	GLOBAL	Z	0.00	0.00	0.45	-8.54
D	F274	FORCE	GLOBAL	Z	0.45	-8.54	0.55	-8.54
D	F274	FORCE	GLOBAL	Z	0.55	-8.54	1.00	0.00
D	F90	FORCE	GLOBAL	Z	0.00	0.00	0.45	-8.54
D	F90	FORCE	GLOBAL	Z	0.45	-8.54	0.55	-8.54
D	F90	FORCE	GLOBAL	Z	0.55	-8.54	1.00	0.00
D	F182	FORCE	GLOBAL	Z	0.00	0.00	0.13	-1.53
D	F182	FORCE	GLOBAL	Z	0.13	-1.53	0.87	-1.53
D	F182	FORCE	GLOBAL	Z	0.87	-1.53	1.00	0.00
D	F274	FORCE	GLOBAL	Z	0.00	0.00	0.13	-1.53
D	F274	FORCE	GLOBAL	Z	0.13	-1.53	0.87	-1.53
D	F274	FORCE	GLOBAL	Z	0.87	-1.53	1.00	0.00
D	F90	FORCE	GLOBAL	Z	0.00	0.00	0.13	-1.53
D	F90	FORCE	GLOBAL	Z	0.13	-1.53	0.87	-1.53
D	F90	FORCE	GLOBAL	Z	0.87	-1.53	1.00	0.00
D	F182	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F274	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F90	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F89	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.61
D	F89	FORCE	GLOBAL	Z	0.50	-5.61	1.00	0.00
D	F181	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.61
D	F181	FORCE	GLOBAL	Z	0.50	-5.61	1.00	0.00
D	F273	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.61
D	F273	FORCE	GLOBAL	Z	0.50	-5.61	1.00	0.00
D	F89	FORCE	GLOBAL	Z	0.00	0.00	0.22	-1.53
D	F89	FORCE	GLOBAL	Z	0.22	-1.53	0.78	-1.53
D	F89	FORCE	GLOBAL	Z	0.78	-1.53	1.00	0.00
D	F181	FORCE	GLOBAL	Z	0.00	0.00	0.22	-1.53
D	F181	FORCE	GLOBAL	Z	0.22	-1.53	0.78	-1.53
D	F181	FORCE	GLOBAL	Z	0.78	-1.53	1.00	0.00
D	F273	FORCE	GLOBAL	Z	0.00	0.00	0.22	-1.53
D	F273	FORCE	GLOBAL	Z	0.22	-1.53	0.78	-1.53
D	F273	FORCE	GLOBAL	Z	0.78	-1.53	1.00	0.00
D	F89	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F181	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F273	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F364	FORCE	GLOBAL	Z	0.00	0.00	0.13	-1.53
D	F364	FORCE	GLOBAL	Z	0.13	-1.53	0.87	-1.53
D	F364	FORCE	GLOBAL	Z	0.87	-1.53	1.00	0.00
D	F366	FORCE	GLOBAL	Z	0.00	0.00	0.13	-1.53
D	F366	FORCE	GLOBAL	Z	0.13	-1.53	0.87	-1.53
D	F366	FORCE	GLOBAL	Z	0.87	-1.53	1.00	0.00

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F363	FORCE	GLOBAL	Z	0.00	0.00	0.17	-1.53
D	F363	FORCE	GLOBAL	Z	0.17	-1.53	0.83	-1.53
D	F363	FORCE	GLOBAL	Z	0.83	-1.53	1.00	0.00
D	F367	FORCE	GLOBAL	Z	0.00	0.00	0.17	-1.53
D	F367	FORCE	GLOBAL	Z	0.17	-1.53	0.83	-1.53
D	F367	FORCE	GLOBAL	Z	0.83	-1.53	1.00	0.00
D	F365	FORCE	GLOBAL	Z	0.00	0.00	0.22	-1.53
D	F365	FORCE	GLOBAL	Z	0.22	-1.53	0.78	-1.53
D	F365	FORCE	GLOBAL	Z	0.78	-1.53	1.00	0.00
D	F363	FORCE	GLOBAL	Z	0.00	-2.50	1.00	-2.50
D	F367	FORCE	GLOBAL	Z	0.00	-2.50	1.00	-2.50
D	F365	FORCE	GLOBAL	Z	0.00	-2.50	1.00	-2.50
D	F364	FORCE	GLOBAL	Z	0.00	-2.50	1.00	-2.50
D	F366	FORCE	GLOBAL	Z	0.00	-2.50	1.00	-2.50
D	F98	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.62
D	F98	FORCE	GLOBAL	Z	0.50	-5.62	1.00	0.00
D	F190	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.62
D	F190	FORCE	GLOBAL	Z	0.50	-5.62	1.00	0.00
D	F282	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.62
D	F282	FORCE	GLOBAL	Z	0.50	-5.62	1.00	0.00
D	F98	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.62
D	F98	FORCE	GLOBAL	Z	0.50	-5.62	1.00	0.00
D	F190	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.62
D	F190	FORCE	GLOBAL	Z	0.50	-5.62	1.00	0.00
D	F282	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.62
D	F282	FORCE	GLOBAL	Z	0.50	-5.62	1.00	0.00
D	F97	FORCE	GLOBAL	Z	0.43	0.00	0.69	-8.54
D	F97	FORCE	GLOBAL	Z	0.69	-8.54	0.75	-8.54
D	F97	FORCE	GLOBAL	Z	0.75	-8.54	1.00	0.00
D	F189	FORCE	GLOBAL	Z	0.43	0.00	0.69	-8.54
D	F189	FORCE	GLOBAL	Z	0.69	-8.54	0.75	-8.54
D	F189	FORCE	GLOBAL	Z	0.75	-8.54	1.00	0.00
D	F281	FORCE	GLOBAL	Z	0.43	0.00	0.69	-8.54
D	F281	FORCE	GLOBAL	Z	0.69	-8.54	0.75	-8.54
D	F281	FORCE	GLOBAL	Z	0.75	-8.54	1.00	0.00
D	F97	FORCE	GLOBAL	Z	0.00	0.00	0.22	-7.32
D	F97	FORCE	GLOBAL	Z	0.22	-7.32	0.43	0.00
D	F189	FORCE	GLOBAL	Z	0.00	0.00	0.22	-7.32
D	F189	FORCE	GLOBAL	Z	0.22	-7.32	0.43	0.00
D	F281	FORCE	GLOBAL	Z	0.00	0.00	0.22	-7.32
D	F281	FORCE	GLOBAL	Z	0.22	-7.32	0.43	0.00
D	F97	FORCE	GLOBAL	Z	0.64	0.00	0.82	-6.10
D	F97	FORCE	GLOBAL	Z	0.82	-6.10	1.00	0.00
D	F189	FORCE	GLOBAL	Z	0.64	0.00	0.82	-6.10
D	F189	FORCE	GLOBAL	Z	0.82	-6.10	1.00	0.00
D	F281	FORCE	GLOBAL	Z	0.64	0.00	0.82	-6.10
D	F281	FORCE	GLOBAL	Z	0.82	-6.10	1.00	0.00
D	F189	FORCE	GLOBAL	Z	0.29	0.00	0.42	-4.29
D	F189	FORCE	GLOBAL	Z	0.42	-4.29	0.51	-4.29
D	F189	FORCE	GLOBAL	Z	0.51	-4.29	0.64	0.00
D	F281	FORCE	GLOBAL	Z	0.29	0.00	0.42	-4.29
D	F281	FORCE	GLOBAL	Z	0.42	-4.29	0.51	-4.29
D	F281	FORCE	GLOBAL	Z	0.51	-4.29	0.64	0.00
D	F97	FORCE	GLOBAL	Z	0.29	0.00	0.42	-4.29
D	F97	FORCE	GLOBAL	Z	0.42	-4.29	0.51	-4.29
D	F97	FORCE	GLOBAL	Z	0.51	-4.29	0.64	0.00
D	F97	FORCE	GLOBAL	Z	0.00	0.00	0.13	-1.29
D	F97	FORCE	GLOBAL	Z	0.13	-1.29	0.16	-1.29
D	F97	FORCE	GLOBAL	Z	0.16	-1.29	0.29	0.00
D	F189	FORCE	GLOBAL	Z	0.00	0.00	0.13	-1.29
D	F189	FORCE	GLOBAL	Z	0.13	-1.29	0.16	-1.29
D	F189	FORCE	GLOBAL	Z	0.16	-1.29	0.29	0.00
D	F281	FORCE	GLOBAL	Z	0.00	0.00	0.13	-1.29
D	F281	FORCE	GLOBAL	Z	0.13	-1.29	0.16	-1.29
D	F281	FORCE	GLOBAL	Z	0.16	-1.29	0.29	0.00
D	F97	FORCE	GLOBAL	Z	0.00	0.00	0.13	-4.27
D	F97	FORCE	GLOBAL	Z	0.13	-4.27	0.16	-4.27
D	F97	FORCE	GLOBAL	Z	0.16	-4.27	0.29	0.00
D	F189	FORCE	GLOBAL	Z	0.00	0.00	0.13	-4.27
D	F189	FORCE	GLOBAL	Z	0.13	-4.27	0.16	-4.27

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F189	FORCE	GLOBAL	Z	0.16	-4.27	0.29	0.00
D	F281	FORCE	GLOBAL	Z	0.00	0.00	0.13	-4.27
D	F281	FORCE	GLOBAL	Z	0.13	-4.27	0.16	-4.27
D	F281	FORCE	GLOBAL	Z	0.16	-4.27	0.29	0.00
D	F97	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F189	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F281	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F109	FORCE	GLOBAL	Z	0.00	0.00	0.30	-8.54
D	F109	FORCE	GLOBAL	Z	0.30	-8.54	0.70	-8.54
D	F109	FORCE	GLOBAL	Z	0.70	-8.54	1.00	0.00
D	F110	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.61
D	F110	FORCE	GLOBAL	Z	0.50	-5.61	1.00	0.00
D	F202	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.61
D	F202	FORCE	GLOBAL	Z	0.50	-5.61	1.00	0.00
D	F294	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.61
D	F294	FORCE	GLOBAL	Z	0.50	-5.61	1.00	0.00
D	F110	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.61
D	F110	FORCE	GLOBAL	Z	0.50	-5.61	1.00	0.00
D	F202	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.61
D	F202	FORCE	GLOBAL	Z	0.50	-5.61	1.00	0.00
D	F294	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.61
D	F294	FORCE	GLOBAL	Z	0.50	-5.61	1.00	0.00
D	F109	FORCE	GLOBAL	Z	0.51	0.00	0.81	-8.54
D	F109	FORCE	GLOBAL	Z	0.81	-8.54	0.87	-8.54
D	F109	FORCE	GLOBAL	Z	0.87	-8.54	1.00	0.00
D	F201	FORCE	GLOBAL	Z	0.51	0.00	0.81	-8.54
D	F201	FORCE	GLOBAL	Z	0.81	-8.54	0.87	-8.54
D	F201	FORCE	GLOBAL	Z	0.87	-8.54	1.00	0.00
D	F293	FORCE	GLOBAL	Z	0.51	0.00	0.81	-8.54
D	F293	FORCE	GLOBAL	Z	0.81	-8.54	0.87	-8.54
D	F293	FORCE	GLOBAL	Z	0.87	-8.54	1.00	0.00
D	F109	FORCE	GLOBAL	Z	0.00	0.00	0.25	-7.32
D	F109	FORCE	GLOBAL	Z	0.25	-7.32	0.51	0.00
D	F201	FORCE	GLOBAL	Z	0.00	0.00	0.25	-7.32
D	F201	FORCE	GLOBAL	Z	0.25	-7.32	0.51	0.00
D	F293	FORCE	GLOBAL	Z	0.00	0.00	0.25	-7.32
D	F293	FORCE	GLOBAL	Z	0.25	-7.32	0.51	0.00
D	F107	FORCE	GLOBAL	Z	0.00	0.00	1.00	-3.66
D	F108	FORCE	GLOBAL	Z	0.00	-3.66	0.13	-4.27
D	F108	FORCE	GLOBAL	Z	0.13	-4.27	1.00	0.00
D	F114	FORCE	GLOBAL	Z	0.00	0.00	0.88	-4.27
D	F114	FORCE	GLOBAL	Z	0.88	-4.27	1.00	-3.66
D	F115	FORCE	GLOBAL	Z	0.00	-3.66	1.00	0.00
D	F199	FORCE	GLOBAL	Z	0.00	0.00	1.00	-3.66
D	F200	FORCE	GLOBAL	Z	0.00	-3.66	0.13	-4.27
D	F200	FORCE	GLOBAL	Z	0.13	-4.27	1.00	0.00
D	F206	FORCE	GLOBAL	Z	0.00	0.00	0.88	-4.27
D	F206	FORCE	GLOBAL	Z	0.88	-4.27	1.00	-3.66
D	F207	FORCE	GLOBAL	Z	0.00	-3.66	1.00	0.00
D	F291	FORCE	GLOBAL	Z	0.00	0.00	1.00	-3.66
D	F292	FORCE	GLOBAL	Z	0.00	-3.66	0.13	-4.27
D	F292	FORCE	GLOBAL	Z	0.13	-4.27	1.00	0.00
D	F298	FORCE	GLOBAL	Z	0.00	0.00	0.88	-4.27
D	F298	FORCE	GLOBAL	Z	0.88	-4.27	1.00	-3.66
D	F299	FORCE	GLOBAL	Z	0.00	-3.66	1.00	0.00
D	F111	FORCE	GLOBAL	Z	0.00	0.00	1.00	-4.88
D	F112	FORCE	GLOBAL	Z	0.00	-4.88	0.26	-8.54
D	F112	FORCE	GLOBAL	Z	0.26	-8.54	1.00	-8.54
D	F113	FORCE	GLOBAL	Z	0.00	-8.54	0.13	-8.54
D	F113	FORCE	GLOBAL	Z	0.13	-8.54	1.00	0.00
D	F111	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.38
D	F111	FORCE	GLOBAL	Z	0.50	-2.38	1.00	0.00
D	F109	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F201	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F293	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F112	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F113	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F109	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F205	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F205	FORCE	GLOBAL	Z	0.00	-8.54	0.13	-8.54

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F205	FORCE	GLOBAL	Z	0.13	-8.54	1.00	0.00
D	F297	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F297	FORCE	GLOBAL	Z	0.00	-8.54	0.13	-8.54
D	F297	FORCE	GLOBAL	Z	0.13	-8.54	1.00	0.00
D	F201	FORCE	GLOBAL	Z	0.00	0.00	0.30	-8.54
D	F201	FORCE	GLOBAL	Z	0.30	-8.54	0.36	-8.54
D	F201	FORCE	GLOBAL	Z	0.36	-8.54	0.66	0.00
D	F293	FORCE	GLOBAL	Z	0.00	0.00	0.30	-8.54
D	F293	FORCE	GLOBAL	Z	0.30	-8.54	0.36	-8.54
D	F293	FORCE	GLOBAL	Z	0.36	-8.54	0.66	0.00
D	F201	FORCE	GLOBAL	Z	0.66	0.00	0.81	-4.27
D	F201	FORCE	GLOBAL	Z	0.81	-4.27	0.85	-4.27
D	F201	FORCE	GLOBAL	Z	0.85	-4.27	1.00	0.00
D	F293	FORCE	GLOBAL	Z	0.66	0.00	0.81	-4.27
D	F293	FORCE	GLOBAL	Z	0.81	-4.27	0.85	-4.27
D	F293	FORCE	GLOBAL	Z	0.85	-4.27	1.00	0.00
D	F119	FORCE	GLOBAL	Z	0.00	0.00	0.12	-8.54
D	F119	FORCE	GLOBAL	Z	0.12	-8.54	0.29	-8.54
D	F119	FORCE	GLOBAL	Z	0.29	-8.54	0.42	0.00
D	F124	FORCE	GLOBAL	Z	0.00	0.00	0.12	-8.54
D	F124	FORCE	GLOBAL	Z	0.12	-8.54	0.29	-8.54
D	F124	FORCE	GLOBAL	Z	0.29	-8.54	0.42	0.00
D	F129	FORCE	GLOBAL	Z	0.00	0.00	0.12	-8.54
D	F129	FORCE	GLOBAL	Z	0.12	-8.54	0.29	-8.54
D	F129	FORCE	GLOBAL	Z	0.29	-8.54	0.42	0.00
D	F134	FORCE	GLOBAL	Z	0.00	0.00	0.12	-8.54
D	F134	FORCE	GLOBAL	Z	0.12	-8.54	0.29	-8.54
D	F134	FORCE	GLOBAL	Z	0.29	-8.54	0.42	0.00
D	F139	FORCE	GLOBAL	Z	0.00	0.00	0.12	-8.54
D	F139	FORCE	GLOBAL	Z	0.12	-8.54	0.29	-8.54
D	F139	FORCE	GLOBAL	Z	0.29	-8.54	0.42	0.00
D	F119	FORCE	GLOBAL	Z	0.00	0.00	0.12	-8.54
D	F119	FORCE	GLOBAL	Z	0.12	-8.54	0.29	-8.54
D	F119	FORCE	GLOBAL	Z	0.29	-8.54	0.42	0.00
D	F124	FORCE	GLOBAL	Z	0.00	0.00	0.12	-8.54
D	F124	FORCE	GLOBAL	Z	0.12	-8.54	0.29	-8.54
D	F124	FORCE	GLOBAL	Z	0.29	-8.54	0.42	0.00
D	F129	FORCE	GLOBAL	Z	0.00	0.00	0.12	-8.54
D	F129	FORCE	GLOBAL	Z	0.12	-8.54	0.29	-8.54
D	F129	FORCE	GLOBAL	Z	0.29	-8.54	0.42	0.00
D	F134	FORCE	GLOBAL	Z	0.00	0.00	0.12	-8.54
D	F134	FORCE	GLOBAL	Z	0.12	-8.54	0.29	-8.54
D	F134	FORCE	GLOBAL	Z	0.29	-8.54	0.42	0.00
D	F139	FORCE	GLOBAL	Z	0.00	0.00	0.12	-8.54
D	F139	FORCE	GLOBAL	Z	0.12	-8.54	0.29	-8.54
D	F139	FORCE	GLOBAL	Z	0.29	-8.54	0.42	0.00
D	F119	FORCE	GLOBAL	Z	0.42	0.00	0.50	-4.27
D	F119	FORCE	GLOBAL	Z	0.50	-4.27	0.58	0.00
D	F124	FORCE	GLOBAL	Z	0.42	0.00	0.50	-4.27
D	F124	FORCE	GLOBAL	Z	0.50	-4.27	0.58	0.00
D	F129	FORCE	GLOBAL	Z	0.42	0.00	0.50	-4.27
D	F129	FORCE	GLOBAL	Z	0.50	-4.27	0.58	0.00
D	F134	FORCE	GLOBAL	Z	0.42	0.00	0.50	-4.27
D	F134	FORCE	GLOBAL	Z	0.50	-4.27	0.58	0.00
D	F139	FORCE	GLOBAL	Z	0.42	0.00	0.50	-4.27
D	F139	FORCE	GLOBAL	Z	0.50	-4.27	0.58	0.00
D	F119	FORCE	GLOBAL	Z	0.42	0.00	0.50	-4.27
D	F119	FORCE	GLOBAL	Z	0.50	-4.27	0.58	0.00
D	F124	FORCE	GLOBAL	Z	0.42	0.00	0.50	-4.27
D	F124	FORCE	GLOBAL	Z	0.50	-4.27	0.58	0.00
D	F129	FORCE	GLOBAL	Z	0.42	0.00	0.50	-4.27
D	F129	FORCE	GLOBAL	Z	0.50	-4.27	0.58	0.00
D	F134	FORCE	GLOBAL	Z	0.42	0.00	0.50	-4.27
D	F134	FORCE	GLOBAL	Z	0.50	-4.27	0.58	0.00
D	F139	FORCE	GLOBAL	Z	0.42	0.00	0.50	-4.27
D	F139	FORCE	GLOBAL	Z	0.50	-4.27	0.58	0.00
D	F119	FORCE	GLOBAL	Z	0.58	0.00	0.71	-8.54
D	F119	FORCE	GLOBAL	Z	0.71	-8.54	0.88	-8.54
D	F119	FORCE	GLOBAL	Z	0.88	-8.54	1.00	0.00
D	F124	FORCE	GLOBAL	Z	0.58	0.00	0.71	-8.54

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F231	FORCE	GLOBAL	Z	0.66	-4.27	0.72	0.00
D	F303	FORCE	GLOBAL	Z	0.58	0.00	0.64	-4.27
D	F303	FORCE	GLOBAL	Z	0.64	-4.27	0.66	-4.27
D	F303	FORCE	GLOBAL	Z	0.66	-4.27	0.72	0.00
D	F308	FORCE	GLOBAL	Z	0.58	0.00	0.64	-4.27
D	F308	FORCE	GLOBAL	Z	0.64	-4.27	0.66	-4.27
D	F308	FORCE	GLOBAL	Z	0.66	-4.27	0.72	0.00
D	F313	FORCE	GLOBAL	Z	0.58	0.00	0.64	-4.27
D	F313	FORCE	GLOBAL	Z	0.64	-4.27	0.66	-4.27
D	F313	FORCE	GLOBAL	Z	0.66	-4.27	0.72	0.00
D	F318	FORCE	GLOBAL	Z	0.58	0.00	0.64	-4.27
D	F318	FORCE	GLOBAL	Z	0.64	-4.27	0.66	-4.27
D	F318	FORCE	GLOBAL	Z	0.66	-4.27	0.72	0.00
D	F323	FORCE	GLOBAL	Z	0.58	0.00	0.64	-4.27
D	F323	FORCE	GLOBAL	Z	0.64	-4.27	0.66	-4.27
D	F323	FORCE	GLOBAL	Z	0.66	-4.27	0.72	0.00
D	F211	FORCE	GLOBAL	Z	0.72	0.00	0.85	-8.54
D	F211	FORCE	GLOBAL	Z	0.85	-8.54	0.88	-8.54
D	F211	FORCE	GLOBAL	Z	0.88	-8.54	1.00	0.00
D	F216	FORCE	GLOBAL	Z	0.72	0.00	0.85	-8.54
D	F216	FORCE	GLOBAL	Z	0.85	-8.54	0.88	-8.54
D	F216	FORCE	GLOBAL	Z	0.88	-8.54	1.00	0.00
D	F221	FORCE	GLOBAL	Z	0.72	0.00	0.85	-8.54
D	F221	FORCE	GLOBAL	Z	0.85	-8.54	0.88	-8.54
D	F221	FORCE	GLOBAL	Z	0.88	-8.54	1.00	0.00
D	F226	FORCE	GLOBAL	Z	0.72	0.00	0.85	-8.54
D	F226	FORCE	GLOBAL	Z	0.85	-8.54	0.88	-8.54
D	F226	FORCE	GLOBAL	Z	0.88	-8.54	1.00	0.00
D	F231	FORCE	GLOBAL	Z	0.72	0.00	0.85	-8.54
D	F231	FORCE	GLOBAL	Z	0.85	-8.54	0.88	-8.54
D	F231	FORCE	GLOBAL	Z	0.88	-8.54	1.00	0.00
D	F303	FORCE	GLOBAL	Z	0.72	0.00	0.85	-8.54
D	F303	FORCE	GLOBAL	Z	0.85	-8.54	0.88	-8.54
D	F303	FORCE	GLOBAL	Z	0.88	-8.54	1.00	0.00
D	F308	FORCE	GLOBAL	Z	0.72	0.00	0.85	-8.54
D	F308	FORCE	GLOBAL	Z	0.85	-8.54	0.88	-8.54
D	F308	FORCE	GLOBAL	Z	0.88	-8.54	1.00	0.00
D	F313	FORCE	GLOBAL	Z	0.72	0.00	0.85	-8.54
D	F313	FORCE	GLOBAL	Z	0.85	-8.54	0.88	-8.54
D	F313	FORCE	GLOBAL	Z	0.88	-8.54	1.00	0.00
D	F318	FORCE	GLOBAL	Z	0.72	0.00	0.85	-8.54
D	F318	FORCE	GLOBAL	Z	0.85	-8.54	0.88	-8.54
D	F318	FORCE	GLOBAL	Z	0.88	-8.54	1.00	0.00
D	F323	FORCE	GLOBAL	Z	0.72	0.00	0.85	-8.54
D	F323	FORCE	GLOBAL	Z	0.85	-8.54	0.88	-8.54
D	F323	FORCE	GLOBAL	Z	0.88	-8.54	1.00	0.00
D	F211	FORCE	GLOBAL	Z	0.72	0.00	0.85	-8.54
D	F211	FORCE	GLOBAL	Z	0.85	-8.54	0.88	-8.54
D	F211	FORCE	GLOBAL	Z	0.88	-8.54	1.00	0.00
D	F216	FORCE	GLOBAL	Z	0.72	0.00	0.85	-8.54
D	F216	FORCE	GLOBAL	Z	0.85	-8.54	0.88	-8.54
D	F216	FORCE	GLOBAL	Z	0.88	-8.54	1.00	0.00
D	F221	FORCE	GLOBAL	Z	0.72	0.00	0.85	-8.54
D	F221	FORCE	GLOBAL	Z	0.85	-8.54	0.88	-8.54
D	F221	FORCE	GLOBAL	Z	0.88	-8.54	1.00	0.00
D	F226	FORCE	GLOBAL	Z	0.72	0.00	0.85	-8.54
D	F226	FORCE	GLOBAL	Z	0.85	-8.54	0.88	-8.54
D	F226	FORCE	GLOBAL	Z	0.88	-8.54	1.00	0.00
D	F231	FORCE	GLOBAL	Z	0.72	0.00	0.85	-8.54
D	F231	FORCE	GLOBAL	Z	0.85	-8.54	0.88	-8.54
D	F231	FORCE	GLOBAL	Z	0.88	-8.54	1.00	0.00
D	F303	FORCE	GLOBAL	Z	0.72	0.00	0.85	-8.54
D	F303	FORCE	GLOBAL	Z	0.85	-8.54	0.88	-8.54
D	F303	FORCE	GLOBAL	Z	0.88	-8.54	1.00	0.00
D	F308	FORCE	GLOBAL	Z	0.72	0.00	0.85	-8.54
D	F308	FORCE	GLOBAL	Z	0.85	-8.54	0.88	-8.54
D	F308	FORCE	GLOBAL	Z	0.88	-8.54	1.00	0.00
D	F313	FORCE	GLOBAL	Z	0.72	0.00	0.85	-8.54
D	F313	FORCE	GLOBAL	Z	0.85	-8.54	0.88	-8.54
D	F313	FORCE	GLOBAL	Z	0.88	-8.54	1.00	0.00

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F318	FORCE	GLOBAL	Z	0.72	0.00	0.85	-8.54
D	F318	FORCE	GLOBAL	Z	0.85	-8.54	0.88	-8.54
D	F318	FORCE	GLOBAL	Z	0.88	-8.54	1.00	0.00
D	F323	FORCE	GLOBAL	Z	0.72	0.00	0.85	-8.54
D	F323	FORCE	GLOBAL	Z	0.85	-8.54	0.88	-8.54
D	F323	FORCE	GLOBAL	Z	0.88	-8.54	1.00	0.00
D	F395	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.68
D	F395	FORCE	GLOBAL	Z	0.50	-2.68	1.00	0.00
D	F399	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.68
D	F399	FORCE	GLOBAL	Z	0.50	-2.68	1.00	0.00
D	F403	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.68
D	F403	FORCE	GLOBAL	Z	0.50	-2.68	1.00	0.00
D	F407	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.68
D	F407	FORCE	GLOBAL	Z	0.50	-2.68	1.00	0.00
D	F411	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.68
D	F411	FORCE	GLOBAL	Z	0.50	-2.68	1.00	0.00
D	F396	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.68
D	F396	FORCE	GLOBAL	Z	0.50	-2.68	1.00	0.00
D	F400	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.68
D	F400	FORCE	GLOBAL	Z	0.50	-2.68	1.00	0.00
D	F404	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.68
D	F404	FORCE	GLOBAL	Z	0.50	-2.68	1.00	0.00
D	F408	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.68
D	F408	FORCE	GLOBAL	Z	0.50	-2.68	1.00	0.00
D	F412	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.68
D	F412	FORCE	GLOBAL	Z	0.50	-2.68	1.00	0.00
D	F395	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.68
D	F395	FORCE	GLOBAL	Z	0.50	-2.68	1.00	0.00
D	F399	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.68
D	F399	FORCE	GLOBAL	Z	0.50	-2.68	1.00	0.00
D	F403	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.68
D	F403	FORCE	GLOBAL	Z	0.50	-2.68	1.00	0.00
D	F407	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.68
D	F407	FORCE	GLOBAL	Z	0.50	-2.68	1.00	0.00
D	F411	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.68
D	F411	FORCE	GLOBAL	Z	0.50	-2.68	1.00	0.00
D	F396	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.68
D	F396	FORCE	GLOBAL	Z	0.50	-2.68	1.00	0.00
D	F400	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.68
D	F400	FORCE	GLOBAL	Z	0.50	-2.68	1.00	0.00
D	F404	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.68
D	F404	FORCE	GLOBAL	Z	0.50	-2.68	1.00	0.00
D	F408	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.68
D	F408	FORCE	GLOBAL	Z	0.50	-2.68	1.00	0.00
D	F412	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.68
D	F412	FORCE	GLOBAL	Z	0.50	-2.68	1.00	0.00
D	F119	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F124	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F129	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F134	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F139	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F211	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F216	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F221	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F226	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F231	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F303	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F308	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F313	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F318	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F323	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F145	FORCE	GLOBAL	Z	0.00	0.00	0.50	-11.22
D	F145	FORCE	GLOBAL	Z	0.50	-11.22	1.00	0.00
D	F157	FORCE	GLOBAL	Z	0.00	0.00	0.50	-11.22
D	F157	FORCE	GLOBAL	Z	0.50	-11.22	1.00	0.00
D	F237	FORCE	GLOBAL	Z	0.00	0.00	0.50	-11.22
D	F237	FORCE	GLOBAL	Z	0.50	-11.22	1.00	0.00
D	F249	FORCE	GLOBAL	Z	0.00	0.00	0.50	-11.22
D	F249	FORCE	GLOBAL	Z	0.50	-11.22	1.00	0.00
D	F329	FORCE	GLOBAL	Z	0.00	0.00	0.50	-11.22

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F329	FORCE	GLOBAL	Z	0.50	-11.22	1.00	0.00
D	F341	FORCE	GLOBAL	Z	0.00	0.00	0.50	-11.22
D	F341	FORCE	GLOBAL	Z	0.50	-11.22	1.00	0.00
D	F144	FORCE	GLOBAL	Z	0.00	0.00	0.30	-8.54
D	F144	FORCE	GLOBAL	Z	0.30	-8.54	0.70	-8.54
D	F144	FORCE	GLOBAL	Z	0.70	-8.54	1.00	0.00
D	F144	FORCE	GLOBAL	Z	0.00	0.00	0.30	-8.54
D	F144	FORCE	GLOBAL	Z	0.30	-8.54	0.70	-8.54
D	F144	FORCE	GLOBAL	Z	0.70	-8.54	1.00	0.00
D	F143	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.27
D	F143	FORCE	GLOBAL	Z	0.50	-4.27	1.00	0.00
D	F143	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.27
D	F235	FORCE	GLOBAL	Z	0.00	0.00	1.00	0.00
D	F235	FORCE	GLOBAL	Z	0.50	-4.27	1.00	0.00
D	F327	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.27
D	F327	FORCE	GLOBAL	Z	0.50	-4.27	1.00	0.00
D	F415	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.27
D	F415	FORCE	GLOBAL	Z	0.50	-4.27	1.00	0.00
D	F143	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.27
D	F143	FORCE	GLOBAL	Z	0.50	-4.27	1.00	0.00
D	F235	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.27
D	F235	FORCE	GLOBAL	Z	0.50	-4.27	1.00	0.00
D	F327	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.27
D	F327	FORCE	GLOBAL	Z	0.50	-4.27	1.00	0.00
D	F415	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.27
D	F415	FORCE	GLOBAL	Z	0.50	-4.27	1.00	0.00
D	F240	FORCE	GLOBAL	Z	0.00	0.00	1.00	-3.66
D	F148	FORCE	GLOBAL	Z	0.00	0.00	1.00	-3.66
D	F332	FORCE	GLOBAL	Z	0.00	0.00	1.00	-3.66
D	F158	FORCE	GLOBAL	Z	0.00	0.00	0.25	-8.54
D	F158	FORCE	GLOBAL	Z	0.25	-8.54	0.51	0.00
D	F250	FORCE	GLOBAL	Z	0.00	0.00	0.25	-8.54
D	F250	FORCE	GLOBAL	Z	0.25	-8.54	0.51	0.00
D	F342	FORCE	GLOBAL	Z	0.00	0.00	0.25	-8.54
D	F342	FORCE	GLOBAL	Z	0.25	-8.54	0.51	0.00
D	F158	FORCE	GLOBAL	Z	0.51	0.00	0.75	-8.30
D	F158	FORCE	GLOBAL	Z	0.75	-8.30	1.00	0.00
D	F250	FORCE	GLOBAL	Z	0.51	0.00	0.75	-8.30
D	F250	FORCE	GLOBAL	Z	0.75	-8.30	1.00	0.00
D	F342	FORCE	GLOBAL	Z	0.51	0.00	0.75	-8.30
D	F342	FORCE	GLOBAL	Z	0.75	-8.30	1.00	0.00
D	F158	FORCE	GLOBAL	Z	0.51	0.00	0.75	-8.30
D	F158	FORCE	GLOBAL	Z	0.75	-8.30	1.00	0.00
D	F250	FORCE	GLOBAL	Z	0.51	0.00	0.75	-8.30
D	F250	FORCE	GLOBAL	Z	0.75	-8.30	1.00	0.00
D	F342	FORCE	GLOBAL	Z	0.51	0.00	0.75	-8.30
D	F342	FORCE	GLOBAL	Z	0.75	-8.30	1.00	0.00
D	F239	FORCE	GLOBAL	Z	0.00	-3.66	0.13	-4.27
D	F239	FORCE	GLOBAL	Z	0.13	-4.27	1.00	0.00
D	F239	FORCE	GLOBAL	Z	0.00	0.00	1.00	-4.88
D	F238	FORCE	GLOBAL	Z	0.00	-4.88	0.13	-8.54
D	F238	FORCE	GLOBAL	Z	0.13	-8.54	0.42	0.00
D	F238	FORCE	GLOBAL	Z	0.42	0.00	0.71	-8.30
D	F238	FORCE	GLOBAL	Z	0.71	-8.30	1.00	0.00
D	F331	FORCE	GLOBAL	Z	0.00	-3.66	0.13	-4.27
D	F331	FORCE	GLOBAL	Z	0.13	-4.27	1.00	0.00
D	F331	FORCE	GLOBAL	Z	0.00	0.00	1.00	-4.88
D	F330	FORCE	GLOBAL	Z	0.00	-4.88	0.13	-8.54
D	F330	FORCE	GLOBAL	Z	0.13	-8.54	0.42	0.00
D	F330	FORCE	GLOBAL	Z	0.42	0.00	0.71	-8.30
D	F330	FORCE	GLOBAL	Z	0.71	-8.30	1.00	0.00
D	F238	FORCE	GLOBAL	Z	0.00	0.00	0.30	-8.54
D	F238	FORCE	GLOBAL	Z	0.30	-8.54	0.36	-8.54
D	F238	FORCE	GLOBAL	Z	0.36	-8.54	0.66	0.00
D	F330	FORCE	GLOBAL	Z	0.00	0.00	0.30	-8.54
D	F330	FORCE	GLOBAL	Z	0.30	-8.54	0.36	-8.54
D	F330	FORCE	GLOBAL	Z	0.36	-8.54	0.66	0.00
D	F238	FORCE	GLOBAL	Z	0.66	0.00	0.81	-4.27
D	F238	FORCE	GLOBAL	Z	0.81	-4.27	0.85	-4.27
D	F238	FORCE	GLOBAL	Z	0.85	-4.27	1.00	0.00
D	F330	FORCE	GLOBAL	Z	0.66	0.00	0.81	-4.27

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F330	FORCE	GLOBAL	Z	0.81	-4.27	0.85	-4.27
D	F330	FORCE	GLOBAL	Z	0.85	-4.27	1.00	0.00
D	F236	FORCE	GLOBAL	Z	0.34	0.00	0.64	-8.54
D	F236	FORCE	GLOBAL	Z	0.64	-8.54	0.70	-8.54
D	F236	FORCE	GLOBAL	Z	0.70	-8.54	1.00	0.00
D	F328	FORCE	GLOBAL	Z	0.34	0.00	0.64	-8.54
D	F328	FORCE	GLOBAL	Z	0.64	-8.54	0.70	-8.54
D	F328	FORCE	GLOBAL	Z	0.70	-8.54	1.00	0.00
D	F236	FORCE	GLOBAL	Z	0.34	0.00	0.64	-8.54
D	F236	FORCE	GLOBAL	Z	0.64	-8.54	0.70	-8.54
D	F236	FORCE	GLOBAL	Z	0.70	-8.54	1.00	0.00
D	F328	FORCE	GLOBAL	Z	0.34	0.00	0.64	-8.54
D	F328	FORCE	GLOBAL	Z	0.64	-8.54	0.70	-8.54
D	F328	FORCE	GLOBAL	Z	0.70	-8.54	1.00	0.00
D	F236	FORCE	GLOBAL	Z	0.00	0.00	0.15	-4.27
D	F236	FORCE	GLOBAL	Z	0.15	-4.27	0.19	-4.27
D	F236	FORCE	GLOBAL	Z	0.19	-4.27	0.34	0.00
D	F328	FORCE	GLOBAL	Z	0.00	0.00	0.15	-4.27
D	F328	FORCE	GLOBAL	Z	0.15	-4.27	0.19	-4.27
D	F328	FORCE	GLOBAL	Z	0.19	-4.27	0.34	0.00
D	F236	FORCE	GLOBAL	Z	0.00	0.00	0.15	-4.27
D	F236	FORCE	GLOBAL	Z	0.15	-4.27	0.19	-4.27
D	F236	FORCE	GLOBAL	Z	0.19	-4.27	0.34	0.00
D	F328	FORCE	GLOBAL	Z	0.00	0.00	0.15	-4.27
D	F328	FORCE	GLOBAL	Z	0.15	-4.27	0.19	-4.27
D	F328	FORCE	GLOBAL	Z	0.19	-4.27	0.34	0.00
D	F158	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.00
D	F158	FORCE	GLOBAL	Z	0.12	-4.00	0.39	-4.00
D	F158	FORCE	GLOBAL	Z	0.39	-4.00	0.51	0.00
D	F156	FORCE	GLOBAL	Z	0.00	-1.95	0.25	-8.54
D	F156	FORCE	GLOBAL	Z	0.25	-8.54	0.68	-8.54
D	F156	FORCE	GLOBAL	Z	0.68	-8.54	1.00	0.00
D	F156	FORCE	GLOBAL	Z	0.45	0.00	0.60	-4.00
D	F156	FORCE	GLOBAL	Z	0.60	-4.00	0.85	-4.00
D	F156	FORCE	GLOBAL	Z	0.85	-4.00	1.00	0.00
D	F248	FORCE	GLOBAL	Z	0.00	-1.95	0.25	-8.54
D	F248	FORCE	GLOBAL	Z	0.25	-8.54	0.32	-8.54
D	F248	FORCE	GLOBAL	Z	0.32	-8.54	0.64	0.00
D	F248	FORCE	GLOBAL	Z	0.64	0.00	0.80	-4.27
D	F248	FORCE	GLOBAL	Z	0.80	-4.27	0.84	-4.27
D	F248	FORCE	GLOBAL	Z	0.84	-4.27	1.00	0.00
D	F248	FORCE	GLOBAL	Z	0.45	0.00	0.60	-4.00
D	F248	FORCE	GLOBAL	Z	0.60	-4.00	0.85	-4.00
D	F248	FORCE	GLOBAL	Z	0.85	-4.00	1.00	0.00
D	F340	FORCE	GLOBAL	Z	0.00	-1.95	0.25	-8.54
D	F340	FORCE	GLOBAL	Z	0.25	-8.54	0.32	-8.54
D	F340	FORCE	GLOBAL	Z	0.32	-8.54	0.64	0.00
D	F340	FORCE	GLOBAL	Z	0.64	0.00	0.80	-4.27
D	F340	FORCE	GLOBAL	Z	0.80	-4.27	0.84	-4.27
D	F340	FORCE	GLOBAL	Z	0.84	-4.27	1.00	0.00
D	F340	FORCE	GLOBAL	Z	0.45	0.00	0.60	-4.00
D	F340	FORCE	GLOBAL	Z	0.60	-4.00	0.85	-4.00
D	F340	FORCE	GLOBAL	Z	0.85	-4.00	1.00	0.00
D	F156	FORCE	GLOBAL	Z	0.00	0.00	0.15	-4.00
D	F156	FORCE	GLOBAL	Z	0.15	-4.00	0.31	-4.00
D	F156	FORCE	GLOBAL	Z	0.31	-4.00	0.45	0.00
D	F248	FORCE	GLOBAL	Z	0.00	0.00	0.15	-4.00
D	F248	FORCE	GLOBAL	Z	0.15	-4.00	0.31	-4.00
D	F248	FORCE	GLOBAL	Z	0.31	-4.00	0.45	0.00
D	F340	FORCE	GLOBAL	Z	0.00	0.00	0.15	-4.00
D	F340	FORCE	GLOBAL	Z	0.15	-4.00	0.31	-4.00
D	F340	FORCE	GLOBAL	Z	0.31	-4.00	0.45	0.00
D	F153	FORCE	GLOBAL	Z	0.00	-3.66	0.22	0.00
D	F245	FORCE	GLOBAL	Z	0.00	-3.66	0.22	0.00
D	F337	FORCE	GLOBAL	Z	0.00	-3.66	0.22	0.00
D	F153	FORCE	GLOBAL	Z	0.00	0.00	0.24	-4.00
D	F153	FORCE	GLOBAL	Z	0.24	-4.00	0.76	-4.00
D	F153	FORCE	GLOBAL	Z	0.76	-4.00	1.00	0.00
D	F245	FORCE	GLOBAL	Z	0.00	0.00	0.24	-4.00
D	F245	FORCE	GLOBAL	Z	0.24	-4.00	0.76	-4.00

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F245	FORCE	GLOBAL	Z	0.76	-4.00	1.00	0.00
D	F337	FORCE	GLOBAL	Z	0.00	0.00	0.24	-4.00
D	F337	FORCE	GLOBAL	Z	0.24	-4.00	0.76	-4.00
D	F337	FORCE	GLOBAL	Z	0.76	-4.00	1.00	0.00
D	F250	FORCE	GLOBAL	Z	0.00	0.00	0.18	-6.10
D	F250	FORCE	GLOBAL	Z	0.18	-6.10	0.31	-6.10
D	F250	FORCE	GLOBAL	Z	0.31	-6.10	0.49	0.00
D	F342	FORCE	GLOBAL	Z	0.00	0.00	0.18	-6.10
D	F342	FORCE	GLOBAL	Z	0.18	-6.10	0.31	-6.10
D	F342	FORCE	GLOBAL	Z	0.31	-6.10	0.49	0.00
D	F177	FORCE	GLOBAL	Z	0.00	0.00	0.13	-3.42
D	F177	FORCE	GLOBAL	Z	0.13	-3.42	0.25	0.00
D	F176	FORCE	GLOBAL	Z	0.00	0.00	0.13	-3.42
D	F176	FORCE	GLOBAL	Z	0.13	-3.42	0.25	0.00
D	F177	FORCE	GLOBAL	Z	0.25	0.00	0.38	-3.42
D	F177	FORCE	GLOBAL	Z	0.38	-3.42	0.50	0.00
D	F176	FORCE	GLOBAL	Z	0.25	0.00	0.38	-3.42
D	F176	FORCE	GLOBAL	Z	0.38	-3.42	0.50	0.00
D	F177	FORCE	GLOBAL	Z	0.50	0.00	0.63	-3.42
D	F177	FORCE	GLOBAL	Z	0.63	-3.42	0.75	0.00
D	F176	FORCE	GLOBAL	Z	0.50	0.00	0.63	-3.42
D	F176	FORCE	GLOBAL	Z	0.63	-3.42	0.75	0.00
D	F177	FORCE	GLOBAL	Z	0.75	0.00	0.88	-3.42
D	F177	FORCE	GLOBAL	Z	0.88	-3.42	1.00	0.00
D	F176	FORCE	GLOBAL	Z	0.75	0.00	0.88	-3.42
D	F176	FORCE	GLOBAL	Z	0.88	-3.42	1.00	0.00
D	F167	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.61
D	F167	FORCE	GLOBAL	Z	0.50	-5.61	1.00	0.00
D	F259	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.61
D	F259	FORCE	GLOBAL	Z	0.50	-5.61	1.00	0.00
D	F351	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.61
D	F351	FORCE	GLOBAL	Z	0.50	-5.61	1.00	0.00
D	F268	FORCE	GLOBAL	Z	0.00	0.00	0.14	-3.66
D	F268	FORCE	GLOBAL	Z	0.14	-3.66	0.27	0.00
D	F360	FORCE	GLOBAL	Z	0.00	0.00	0.14	-3.66
D	F360	FORCE	GLOBAL	Z	0.14	-3.66	0.27	0.00
D	F268	FORCE	GLOBAL	Z	0.27	0.00	0.41	-3.66
D	F268	FORCE	GLOBAL	Z	0.41	-3.66	0.55	0.00
D	F360	FORCE	GLOBAL	Z	0.27	0.00	0.41	-3.66
D	F360	FORCE	GLOBAL	Z	0.41	-3.66	0.55	0.00
D	F268	FORCE	GLOBAL	Z	0.55	0.00	0.74	-5.12
D	F268	FORCE	GLOBAL	Z	0.74	-5.12	0.81	-5.12
D	F268	FORCE	GLOBAL	Z	0.81	-5.12	1.00	0.00
D	F360	FORCE	GLOBAL	Z	0.55	0.00	0.74	-5.12
D	F360	FORCE	GLOBAL	Z	0.74	-5.12	0.81	-5.12
D	F360	FORCE	GLOBAL	Z	0.81	-5.12	1.00	0.00
D	F269	FORCE	GLOBAL	Z	0.00	0.00	0.18	-4.88
D	F269	FORCE	GLOBAL	Z	0.18	-4.88	0.36	0.00
D	F361	FORCE	GLOBAL	Z	0.00	0.00	0.18	-4.88
D	F361	FORCE	GLOBAL	Z	0.18	-4.88	0.36	0.00
D	F269	FORCE	GLOBAL	Z	0.36	0.00	0.55	-5.12
D	F269	FORCE	GLOBAL	Z	0.55	-5.12	0.81	-5.12
D	F269	FORCE	GLOBAL	Z	0.81	-5.12	1.00	0.00
D	F361	FORCE	GLOBAL	Z	0.36	0.00	0.55	-5.12
D	F361	FORCE	GLOBAL	Z	0.55	-5.12	0.81	-5.12
D	F361	FORCE	GLOBAL	Z	0.81	-5.12	1.00	0.00
D	F167	FORCE	GLOBAL	Z	0.00	-3.06	1.00	-3.06
D	F259	FORCE	GLOBAL	Z	0.00	-3.06	1.00	-3.06
D	F351	FORCE	GLOBAL	Z	0.00	-3.06	1.00	-3.06
D	F177	FORCE	GLOBAL	Z	0.00	-3.06	1.00	-3.60
D	F176	FORCE	GLOBAL	Z	0.00	-3.06	1.00	-3.60
D	F269	FORCE	GLOBAL	Z	0.00	-3.06	1.00	-3.06
D	F268	FORCE	GLOBAL	Z	0.00	-3.06	1.00	-3.06
D	F361	FORCE	GLOBAL	Z	0.00	-3.06	1.00	-3.06
D	F360	FORCE	GLOBAL	Z	0.00	-3.06	1.00	-3.06
D	F152	FORCE	GLOBAL	Z	0.00	0.00	0.49	-8.30
D	F152	FORCE	GLOBAL	Z	0.49	-8.30	0.51	-8.30
D	F152	FORCE	GLOBAL	Z	0.51	-8.30	1.00	0.00
D	F164	FORCE	GLOBAL	Z	0.00	0.00	0.49	-8.30
D	F164	FORCE	GLOBAL	Z	0.49	-8.30	0.51	-8.30

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F245	FORCE	GLOBAL	Z	0.76	-4.00	1.00	0.00
D	F337	FORCE	GLOBAL	Z	0.00	0.00	0.24	-4.00
D	F337	FORCE	GLOBAL	Z	0.24	-4.00	0.76	-4.00
D	F337	FORCE	GLOBAL	Z	0.76	-4.00	1.00	0.00
D	F250	FORCE	GLOBAL	Z	0.00	0.00	0.18	-6.10
D	F250	FORCE	GLOBAL	Z	0.18	-6.10	0.31	-6.10
D	F250	FORCE	GLOBAL	Z	0.31	-6.10	0.49	0.00
D	F342	FORCE	GLOBAL	Z	0.00	0.00	0.18	-6.10
D	F342	FORCE	GLOBAL	Z	0.18	-6.10	0.31	-6.10
D	F342	FORCE	GLOBAL	Z	0.31	-6.10	0.49	0.00
D	F177	FORCE	GLOBAL	Z	0.00	0.00	0.13	-3.42
D	F177	FORCE	GLOBAL	Z	0.13	-3.42	0.25	0.00
D	F176	FORCE	GLOBAL	Z	0.00	0.00	0.13	-3.42
D	F176	FORCE	GLOBAL	Z	0.13	-3.42	0.25	0.00
D	F177	FORCE	GLOBAL	Z	0.25	0.00	0.38	-3.42
D	F177	FORCE	GLOBAL	Z	0.38	-3.42	0.50	0.00
D	F176	FORCE	GLOBAL	Z	0.25	0.00	0.38	-3.42
D	F176	FORCE	GLOBAL	Z	0.38	-3.42	0.50	0.00
D	F177	FORCE	GLOBAL	Z	0.50	0.00	0.63	-3.42
D	F177	FORCE	GLOBAL	Z	0.63	-3.42	0.75	0.00
D	F176	FORCE	GLOBAL	Z	0.50	0.00	0.63	-3.42
D	F176	FORCE	GLOBAL	Z	0.63	-3.42	0.75	0.00
D	F177	FORCE	GLOBAL	Z	0.75	0.00	0.88	-3.42
D	F177	FORCE	GLOBAL	Z	0.88	-3.42	1.00	0.00
D	F176	FORCE	GLOBAL	Z	0.75	0.00	0.88	-3.42
D	F176	FORCE	GLOBAL	Z	0.88	-3.42	1.00	0.00
D	F167	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.61
D	F167	FORCE	GLOBAL	Z	0.50	-5.61	1.00	0.00
D	F259	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.61
D	F259	FORCE	GLOBAL	Z	0.50	-5.61	1.00	0.00
D	F351	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.61
D	F351	FORCE	GLOBAL	Z	0.50	-5.61	1.00	0.00
D	F268	FORCE	GLOBAL	Z	0.00	0.00	0.14	-3.66
D	F268	FORCE	GLOBAL	Z	0.14	-3.66	0.27	0.00
D	F360	FORCE	GLOBAL	Z	0.00	0.00	0.14	-3.66
D	F360	FORCE	GLOBAL	Z	0.14	-3.66	0.27	0.00
D	F268	FORCE	GLOBAL	Z	0.27	0.00	0.41	-3.66
D	F268	FORCE	GLOBAL	Z	0.41	-3.66	0.55	0.00
D	F360	FORCE	GLOBAL	Z	0.27	0.00	0.41	-3.66
D	F360	FORCE	GLOBAL	Z	0.41	-3.66	0.55	0.00
D	F268	FORCE	GLOBAL	Z	0.55	0.00	0.74	-5.12
D	F268	FORCE	GLOBAL	Z	0.74	-5.12	0.81	-5.12
D	F268	FORCE	GLOBAL	Z	0.81	-5.12	1.00	0.00
D	F360	FORCE	GLOBAL	Z	0.55	0.00	0.74	-5.12
D	F360	FORCE	GLOBAL	Z	0.74	-5.12	0.81	-5.12
D	F360	FORCE	GLOBAL	Z	0.81	-5.12	1.00	0.00
D	F269	FORCE	GLOBAL	Z	0.00	0.00	0.18	-4.88
D	F269	FORCE	GLOBAL	Z	0.18	-4.88	0.36	0.00
D	F361	FORCE	GLOBAL	Z	0.00	0.00	0.18	-4.88
D	F361	FORCE	GLOBAL	Z	0.18	-4.88	0.36	0.00
D	F269	FORCE	GLOBAL	Z	0.36	0.00	0.55	-5.12
D	F269	FORCE	GLOBAL	Z	0.55	-5.12	0.81	-5.12
D	F269	FORCE	GLOBAL	Z	0.81	-5.12	1.00	0.00
D	F361	FORCE	GLOBAL	Z	0.36	0.00	0.55	-5.12
D	F361	FORCE	GLOBAL	Z	0.55	-5.12	0.81	-5.12
D	F361	FORCE	GLOBAL	Z	0.81	-5.12	1.00	0.00
D	F167	FORCE	GLOBAL	Z	0.00	-3.06	1.00	-3.06
D	F259	FORCE	GLOBAL	Z	0.00	-3.06	1.00	-3.06
D	F351	FORCE	GLOBAL	Z	0.00	-3.06	1.00	-3.06
D	F177	FORCE	GLOBAL	Z	0.00	-3.06	1.00	-3.06
D	F176	FORCE	GLOBAL	Z	0.00	-3.06	1.00	-3.06
D	F269	FORCE	GLOBAL	Z	0.00	-3.06	1.00	-3.06
D	F268	FORCE	GLOBAL	Z	0.00	-3.06	1.00	-3.06
D	F361	FORCE	GLOBAL	Z	0.00	-3.06	1.00	-3.06
D	F360	FORCE	GLOBAL	Z	0.00	-3.06	1.00	-3.06
D	F152	FORCE	GLOBAL	Z	0.00	0.00	0.49	-8.30
D	F152	FORCE	GLOBAL	Z	0.49	-8.30	0.51	-8.30
D	F164	FORCE	GLOBAL	Z	0.00	0.00	0.49	-8.30
D	F164	FORCE	GLOBAL	Z	0.49	-8.30	0.51	-8.30

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F164	FORCE	GLOBAL	Z	0.51	-8.30	1.00	0.00
D	F244	FORCE	GLOBAL	Z	0.00	0.00	0.49	-8.30
D	F244	FORCE	GLOBAL	Z	0.49	-8.30	0.51	-8.30
D	F244	FORCE	GLOBAL	Z	0.51	-8.30	1.00	0.00
D	F256	FORCE	GLOBAL	Z	0.00	0.00	0.49	-8.30
D	F256	FORCE	GLOBAL	Z	0.49	-8.30	0.51	-8.30
D	F256	FORCE	GLOBAL	Z	0.51	-8.30	1.00	0.00
D	F336	FORCE	GLOBAL	Z	0.00	0.00	0.49	-8.30
D	F336	FORCE	GLOBAL	Z	0.49	-8.30	0.51	-8.30
D	F336	FORCE	GLOBAL	Z	0.51	-8.30	1.00	0.00
D	F348	FORCE	GLOBAL	Z	0.00	0.00	0.49	-8.30
D	F348	FORCE	GLOBAL	Z	0.49	-8.30	0.51	-8.30
D	F348	FORCE	GLOBAL	Z	0.51	-8.30	1.00	0.00
D	F152	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.53
D	F152	FORCE	GLOBAL	Z	0.14	-1.53	0.86	-1.53
D	F152	FORCE	GLOBAL	Z	0.86	-1.53	1.00	0.00
D	F164	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.53
D	F164	FORCE	GLOBAL	Z	0.14	-1.53	0.86	-1.53
D	F164	FORCE	GLOBAL	Z	0.86	-1.53	1.00	0.00
D	F244	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.53
D	F244	FORCE	GLOBAL	Z	0.14	-1.53	0.86	-1.53
D	F244	FORCE	GLOBAL	Z	0.86	-1.53	1.00	0.00
D	F256	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.53
D	F256	FORCE	GLOBAL	Z	0.14	-1.53	0.86	-1.53
D	F256	FORCE	GLOBAL	Z	0.86	-1.53	1.00	0.00
D	F336	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.53
D	F336	FORCE	GLOBAL	Z	0.14	-1.53	0.86	-1.53
D	F336	FORCE	GLOBAL	Z	0.86	-1.53	1.00	0.00
D	F348	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.53
D	F348	FORCE	GLOBAL	Z	0.14	-1.53	0.86	-1.53
D	F348	FORCE	GLOBAL	Z	0.86	-1.53	1.00	0.00
D	F96	FORCE	GLOBAL	Z	0.29	0.00	0.64	-6.10
D	F96	FORCE	GLOBAL	Z	0.64	-6.10	1.00	0.00
D	F188	FORCE	GLOBAL	Z	0.29	0.00	0.64	-6.10
D	F188	FORCE	GLOBAL	Z	0.64	-6.10	1.00	0.00
D	F280	FORCE	GLOBAL	Z	0.29	0.00	0.64	-6.10
D	F280	FORCE	GLOBAL	Z	0.64	-6.10	1.00	0.00
D	F96	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.53
D	F96	FORCE	GLOBAL	Z	0.14	-1.53	0.86	-1.53
D	F96	FORCE	GLOBAL	Z	0.86	-1.53	1.00	0.00
D	F188	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.53
D	F188	FORCE	GLOBAL	Z	0.14	-1.53	0.86	-1.53
D	F188	FORCE	GLOBAL	Z	0.86	-1.53	1.00	0.00
D	F280	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.53
D	F280	FORCE	GLOBAL	Z	0.14	-1.53	0.86	-1.53
D	F280	FORCE	GLOBAL	Z	0.86	-1.53	1.00	0.00
D	F152	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F164	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F106	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F96	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F244	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F256	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F198	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F188	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F336	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F348	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F290	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F280	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F117	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F117	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F122	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F122	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F127	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F127	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F132	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F132	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F137	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F137	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F142	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F142	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F149	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F149	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F141	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F141	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F136	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F136	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F131	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F131	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F126	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F126	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F121	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F121	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F116	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F116	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F209	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F209	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F214	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F214	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F219	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F219	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F224	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F224	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F229	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F229	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F234	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F234	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F241	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F241	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F233	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F233	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F228	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F228	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F223	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F223	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F218	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F218	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F213	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F213	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F208	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F208	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F301	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F301	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F306	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F306	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F311	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F311	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F316	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F316	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F321	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F321	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F326	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F326	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F333	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F333	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F325	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F325	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F320	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F320	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F315	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F315	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F310	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F310	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F305	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F305	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F300	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F300	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F117	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F117	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F117	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F122	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F122	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F122	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F127	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F127	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F127	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F132	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F132	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F132	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F137	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F137	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F137	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F142	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F142	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F142	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F149	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F149	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F149	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F141	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F141	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F141	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F136	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F136	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F136	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F131	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F131	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F131	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F126	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F126	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F126	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F121	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F121	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F121	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F116	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F116	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F116	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F209	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F209	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F209	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F214	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F214	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F214	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F219	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F219	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F219	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F224	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F224	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F224	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F229	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F229	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F229	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F234	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F234	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F234	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F241	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F241	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F241	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F233	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F233	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F233	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F228	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F228	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F228	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F223	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F223	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F223	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F218	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F218	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F218	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F213	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F213	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F213	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F208	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F208	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F208	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F301	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F301	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F301	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F306	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F306	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F306	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F311	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F311	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F311	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F316	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F316	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F316	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F321	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F321	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F321	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F326	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F326	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F326	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F333	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F333	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F333	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F325	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F325	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F325	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F320	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F320	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F320	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F315	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F315	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F315	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F310	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F310	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F310	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F305	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F305	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F305	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F300	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F300	FORCE	GLOBAL	Z	0.25	-4.27	0.75	-4.27
D	F300	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F117	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F122	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F127	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F132	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F137	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F142	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F149	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F141	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F136	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F131	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F126	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F121	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F116	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F209	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F214	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F219	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F224	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F229	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F234	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F241	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F233	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F228	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F223	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F218	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F213	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F208	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F301	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F306	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F311	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F316	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F321	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F326	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F333	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F325	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F320	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F315	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F310	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F305	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F300	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F394	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.68
D	F394	FORCE	GLOBAL	Z	0.25	-2.68	0.75	-2.68
D	F394	FORCE	GLOBAL	Z	0.75	-2.68	1.00	0.00
D	F398	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.68
D	F398	FORCE	GLOBAL	Z	0.25	-2.68	0.75	-2.68
D	F398	FORCE	GLOBAL	Z	0.75	-2.68	1.00	0.00
D	F402	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.68
D	F402	FORCE	GLOBAL	Z	0.25	-2.68	0.75	-2.68
D	F402	FORCE	GLOBAL	Z	0.75	-2.68	1.00	0.00
D	F406	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.68
D	F406	FORCE	GLOBAL	Z	0.25	-2.68	0.75	-2.68
D	F406	FORCE	GLOBAL	Z	0.75	-2.68	1.00	0.00
D	F410	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.68
D	F410	FORCE	GLOBAL	Z	0.25	-2.68	0.75	-2.68
D	F410	FORCE	GLOBAL	Z	0.75	-2.68	1.00	0.00
D	F414	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.68
D	F414	FORCE	GLOBAL	Z	0.25	-2.68	0.75	-2.68
D	F414	FORCE	GLOBAL	Z	0.75	-2.68	1.00	0.00
D	F421	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.68
D	F421	FORCE	GLOBAL	Z	0.25	-2.68	0.75	-2.68
D	F421	FORCE	GLOBAL	Z	0.75	-2.68	1.00	0.00
D	F413	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.68
D	F413	FORCE	GLOBAL	Z	0.25	-2.68	0.75	-2.68
D	F413	FORCE	GLOBAL	Z	0.75	-2.68	1.00	0.00
D	F409	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.68
D	F409	FORCE	GLOBAL	Z	0.25	-2.68	0.75	-2.68
D	F409	FORCE	GLOBAL	Z	0.75	-2.68	1.00	0.00
D	F405	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.68
D	F405	FORCE	GLOBAL	Z	0.25	-2.68	0.75	-2.68
D	F405	FORCE	GLOBAL	Z	0.75	-2.68	1.00	0.00
D	F401	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.68
D	F401	FORCE	GLOBAL	Z	0.25	-2.68	0.75	-2.68
D	F401	FORCE	GLOBAL	Z	0.75	-2.68	1.00	0.00
D	F397	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.68
D	F397	FORCE	GLOBAL	Z	0.25	-2.68	0.75	-2.68
D	F397	FORCE	GLOBAL	Z	0.75	-2.68	1.00	0.00
D	F393	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.68
D	F393	FORCE	GLOBAL	Z	0.25	-2.68	0.75	-2.68
D	F393	FORCE	GLOBAL	Z	0.75	-2.68	1.00	0.00
D	F394	FORCE	GLOBAL	Z	0.00	-3.75	1.00	-3.75
D	F398	FORCE	GLOBAL	Z	0.00	-3.75	1.00	-3.75
D	F402	FORCE	GLOBAL	Z	0.00	-3.75	1.00	-3.75
D	F406	FORCE	GLOBAL	Z	0.00	-3.75	1.00	-3.75
D	F410	FORCE	GLOBAL	Z	0.00	-3.75	1.00	-3.75
D	F414	FORCE	GLOBAL	Z	0.00	-3.75	1.00	-3.75
D	F421	FORCE	GLOBAL	Z	0.00	-3.75	1.00	-3.75
D	F413	FORCE	GLOBAL	Z	0.00	-3.75	1.00	-3.75
D	F409	FORCE	GLOBAL	Z	0.00	-3.75	1.00	-3.75
D	F405	FORCE	GLOBAL	Z	0.00	-3.75	1.00	-3.75
D	F401	FORCE	GLOBAL	Z	0.00	-3.75	1.00	-3.75
D	F397	FORCE	GLOBAL	Z	0.00	-3.75	1.00	-3.75
D	F393	FORCE	GLOBAL	Z	0.00	-3.75	1.00	-3.75
D	F173	FORCE	GLOBAL	Z	0.00	0.00	0.42	-4.27
D	F173	FORCE	GLOBAL	Z	0.42	-4.27	0.58	-4.27
D	F173	FORCE	GLOBAL	Z	0.58	-4.27	1.00	0.00
D	F173	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F265	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F357	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75

FrameDistLoads (kN m)

by Arif Rahman-Kurniawan

D	F265	FORCE	GLOBAL	Z	0.00	0.00	0.48	-4.88
D	F265	FORCE	GLOBAL	Z	0.48	-4.88	0.52	-4.88
D	F265	FORCE	GLOBAL	Z	0.52	-4.88	1.00	0.00
D	F357	FORCE	GLOBAL	Z	0.00	0.00	0.48	-4.88
D	F357	FORCE	GLOBAL	Z	0.48	-4.08	0.52	-4.88
D	F357	FORCE	GLOBAL	Z	0.52	-4.88	1.00	0.00
D	F446	FORCE	GLOBAL	Z	0.00	0.00	0.50	-3.21
D	F446	FORCE	GLOBAL	Z	0.50	-3.21	1.00	0.00
D	F95	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F95	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F94	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F94	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F187	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F187	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F186	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F186	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F279	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F279	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F278	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F278	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F95	FORCE	GLOBAL	Z	0.00	0.00	0.36	-6.10
D	F95	FORCE	GLOBAL	Z	0.36	-6.10	0.71	0.00
D	F187	FORCE	GLOBAL	Z	0.00	0.00	0.36	-6.10
D	F187	FORCE	GLOBAL	Z	0.36	-6.10	0.71	0.00
D	F279	FORCE	GLOBAL	Z	0.00	0.00	0.36	-6.10
D	F279	FORCE	GLOBAL	Z	0.36	-6.10	0.71	0.00
D	F371	FORCE	GLOBAL	Z	0.71	0.00	0.86	-5.06
D	F371	FORCE	GLOBAL	Z	0.86	-5.06	1.00	0.00
D	F103	FORCE	GLOBAL	Z	0.00	0.00	0.14	-2.44
D	F103	FORCE	GLOBAL	Z	0.14	-2.44	0.86	-2.44
D	F103	FORCE	GLOBAL	Z	0.86	-2.44	1.00	0.00
D	F104	FORCE	GLOBAL	Z	0.00	0.00	0.14	-2.44
D	F104	FORCE	GLOBAL	Z	0.14	-2.44	0.86	-2.44
D	F104	FORCE	GLOBAL	Z	0.86	-2.44	1.00	0.00
D	F195	FORCE	GLOBAL	Z	0.00	0.00	0.14	-2.44
D	F195	FORCE	GLOBAL	Z	0.14	-2.44	0.86	-2.44
D	F195	FORCE	GLOBAL	Z	0.86	-2.44	1.00	0.00
D	F196	FORCE	GLOBAL	Z	0.00	0.00	0.14	-2.44
D	F196	FORCE	GLOBAL	Z	0.14	-2.44	0.86	-2.44
D	F196	FORCE	GLOBAL	Z	0.86	-2.44	1.00	0.00
D	F287	FORCE	GLOBAL	Z	0.00	0.00	0.14	-2.44
D	F287	FORCE	GLOBAL	Z	0.14	-2.44	0.86	-2.44
D	F287	FORCE	GLOBAL	Z	0.86	-2.44	1.00	0.00
D	F288	FORCE	GLOBAL	Z	0.00	0.00	0.14	-2.44
D	F288	FORCE	GLOBAL	Z	0.14	-2.44	0.86	-2.44
D	F288	FORCE	GLOBAL	Z	0.86	-2.44	1.00	0.00
D	F380	FORCE	GLOBAL	Z	0.00	0.00	0.14	-2.44
D	F380	FORCE	GLOBAL	Z	0.14	-2.44	0.86	-2.44
D	F380	FORCE	GLOBAL	Z	0.86	-2.44	1.00	0.00
D	F381	FORCE	GLOBAL	Z	0.00	0.00	0.14	-2.44
D	F381	FORCE	GLOBAL	Z	0.14	-2.44	0.86	-2.44
D	F381	FORCE	GLOBAL	Z	0.86	-2.44	1.00	0.00
D	F103	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F104	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F195	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F196	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F287	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F288	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F151	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F151	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F243	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F243	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F335	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F335	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F163	FORCE	GLOBAL	Z	0.00	0.00	0.23	-4.00
D	F163	FORCE	GLOBAL	Z	0.23	-4.00	0.47	0.00
D	F163	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F163	FORCE	GLOBAL	Z	0.47	0.00	0.73	-4.54
D	F163	FORCE	GLOBAL	Z	0.73	-4.54	1.00	0.00
D	F172	FORCE	GLOBAL	Z	0.00	0.00	0.33	-3.42

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F172	FORCE	GLOBAL	Z	0.33	-3.42	0.67	-3.42
D	F172	FORCE	GLOBAL	Z	0.67	-3.42	1.00	0.00
D	F172	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F255	FORCE	GLOBAL	Z	0.00	0.00	0.36	-6.10
D	F255	FORCE	GLOBAL	Z	0.36	-6.10	0.71	0.00
D	F347	FORCE	GLOBAL	Z	0.00	0.00	0.36	-6.10
D	F347	FORCE	GLOBAL	Z	0.36	-6.10	0.71	0.00
D	F255	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F347	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F255	FORCE	GLOBAL	Z	0.71	0.00	0.86	-2.44
D	F255	FORCE	GLOBAL	Z	0.86	-2.44	1.00	0.00
D	F347	FORCE	GLOBAL	Z	0.71	0.00	0.86	-2.44
D	F347	FORCE	GLOBAL	Z	0.86	-2.44	1.00	0.00
D	F264	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F356	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F264	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.12
D	F264	FORCE	GLOBAL	Z	0.50	-5.12	1.00	0.00
D	F356	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.12
D	F356	FORCE	GLOBAL	Z	0.50	-5.12	1.00	0.00
D	F94	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F94	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F94	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F103	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F103	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F103	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F93	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F93	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F93	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F102	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F102	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F102	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F151	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F151	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F151	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F163	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F163	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F163	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F150	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F150	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F150	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F162	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F162	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F162	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F186	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F186	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F186	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F195	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F195	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F195	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F185	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F185	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F185	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F194	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F194	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F194	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F243	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F243	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F243	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F255	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F255	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F255	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F242	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F242	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F242	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F254	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F254	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F254	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F278	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F278	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F278	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F287	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F287	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F287	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F277	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F277	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F277	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F286	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F286	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F286	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F335	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F335	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F335	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F347	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F347	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F347	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F334	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F334	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F334	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F346	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.61
D	F346	FORCE	GLOBAL	Z	0.33	-5.61	0.67	-5.61
D	F346	FORCE	GLOBAL	Z	0.67	-5.61	1.00	0.00
D	F380	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.82
D	F380	FORCE	GLOBAL	Z	0.33	-5.82	0.67	-5.82
D	F380	FORCE	GLOBAL	Z	0.67	-5.82	1.00	0.00
D	F379	FORCE	GLOBAL	Z	0.00	0.00	0.33	-5.82
D	F379	FORCE	GLOBAL	Z	0.33	-5.82	0.67	-5.82
D	F379	FORCE	GLOBAL	Z	0.67	-5.82	1.00	0.00
D	F102	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F102	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F150	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F150	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F194	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F194	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F286	FORCE	GLOBAL	Z	0.00	0.00	0.50	-8.54
D	F286	FORCE	GLOBAL	Z	0.50	-8.54	1.00	0.00
D	F102	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F150	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F194	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F286	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F93	FORCE	GLOBAL	Z	0.00	0.00	0.36	-6.10
D	F93	FORCE	GLOBAL	Z	0.36	-6.10	0.64	-6.10
D	F93	FORCE	GLOBAL	Z	0.64	-6.10	1.00	0.00
D	F185	FORCE	GLOBAL	Z	0.00	0.00	0.36	-6.10
D	F185	FORCE	GLOBAL	Z	0.36	-6.10	0.64	-6.10
D	F185	FORCE	GLOBAL	Z	0.64	-6.10	1.00	0.00
D	F277	FORCE	GLOBAL	Z	0.00	0.00	0.36	-6.10
D	F277	FORCE	GLOBAL	Z	0.36	-6.10	0.64	-6.10
D	F277	FORCE	GLOBAL	Z	0.64	-6.10	1.00	0.00
D	F162	FORCE	GLOBAL	Z	0.00	0.00	0.23	-4.00
D	F162	FORCE	GLOBAL	Z	0.23	-4.00	0.47	0.00
D	F162	FORCE	GLOBAL	Z	0.47	0.00	0.73	-4.54
D	F162	FORCE	GLOBAL	Z	0.73	-4.54	1.00	0.00
D	F162	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F171	FORCE	GLOBAL	Z	0.00	0.00	0.33	-3.42
D	F171	FORCE	GLOBAL	Z	0.33	-3.42	0.67	-3.42
D	F171	FORCE	GLOBAL	Z	0.67	-3.42	1.00	0.00
D	F263	FORCE	GLOBAL	Z	0.00	0.00	0.33	-3.42
D	F263	FORCE	GLOBAL	Z	0.33	-3.42	0.67	-3.42
D	F263	FORCE	GLOBAL	Z	0.67	-3.42	1.00	0.00
D	F355	FORCE	GLOBAL	Z	0.00	0.00	0.33	-3.42
D	F355	FORCE	GLOBAL	Z	0.33	-3.42	0.67	-3.42
D	F355	FORCE	GLOBAL	Z	0.67	-3.42	1.00	0.00
D	F171	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F263	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F355	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F242	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F242	FORCE	GLOBAL	Z	0.25	-4.27	0.50	0.00
D	F334	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F334	FORCE	GLOBAL	Z	0.25	-4.27	0.50	0.00
D	F242	FORCE	GLOBAL	Z	0.50	0.00	0.75	-4.27

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F242	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F334	FORCE	GLOBAL	Z	0.50	0.00	0.75	-4.27
D	F334	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F242	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F242	FORCE	GLOBAL	Z	0.25	-4.27	0.50	0.00
D	F334	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F334	FORCE	GLOBAL	Z	0.25	-4.27	0.50	0.00
D	F242	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F334	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F254	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F346	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F254	FORCE	GLOBAL	Z	0.00	0.00	0.23	-4.00
D	F254	FORCE	GLOBAL	Z	0.23	-4.00	0.47	0.00
D	F346	FORCE	GLOBAL	Z	0.00	0.00	0.23	-4.00
D	F346	FORCE	GLOBAL	Z	0.23	-4.00	0.47	0.00
D	F254	FORCE	GLOBAL	Z	0.47	0.00	0.68	-3.66
D	F254	FORCE	GLOBAL	Z	0.68	-3.66	0.79	-3.66
D	F254	FORCE	GLOBAL	Z	0.79	-3.66	1.00	0.00
D	F346	FORCE	GLOBAL	Z	0.47	0.00	0.68	-3.66
D	F346	FORCE	GLOBAL	Z	0.68	-3.66	0.79	-3.66
D	F346	FORCE	GLOBAL	Z	0.79	-3.66	1.00	0.00
D	F444	FORCE	GLOBAL	Z	0.00	0.00	0.50	-3.21
D	F444	FORCE	GLOBAL	Z	0.50	-3.21	1.00	0.00
D	F161	FORCE	GLOBAL	Z	0.00	0.00	0.27	-4.54
D	F161	FORCE	GLOBAL	Z	0.27	-4.54	0.53	0.00
D	F253	FORCE	GLOBAL	Z	0.00	0.00	0.27	-4.54
D	F253	FORCE	GLOBAL	Z	0.27	-4.54	0.53	0.00
D	F345	FORCE	GLOBAL	Z	0.00	0.00	0.27	-4.54
D	F345	FORCE	GLOBAL	Z	0.27	-4.54	0.53	0.00
D	F161	FORCE	GLOBAL	Z	0.53	0.00	0.77	-4.00
D	F161	FORCE	GLOBAL	Z	0.77	-4.00	1.00	0.00
D	F253	FORCE	GLOBAL	Z	0.53	0.00	0.77	-4.00
D	F253	FORCE	GLOBAL	Z	0.77	-4.00	1.00	0.00
D	F345	FORCE	GLOBAL	Z	0.53	0.00	0.77	-4.00
D	F345	FORCE	GLOBAL	Z	0.77	-4.00	1.00	0.00
D	F170	FORCE	GLOBAL	Z	0.00	0.00	0.42	-4.27
D	F170	FORCE	GLOBAL	Z	0.42	-4.27	0.58	-4.27
D	F170	FORCE	GLOBAL	Z	0.58	-4.27	1.00	0.00
D	F262	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.88
D	F262	FORCE	GLOBAL	Z	0.50	-4.88	1.00	0.00
D	F354	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.88
D	F354	FORCE	GLOBAL	Z	0.50	-4.88	1.00	0.00
D	F160	FORCE	GLOBAL	Z	0.00	0.00	0.20	-3.42
D	F160	FORCE	GLOBAL	Z	0.20	-3.42	0.33	-3.42
D	F160	FORCE	GLOBAL	Z	0.33	-3.42	0.53	0.00
D	F161	FORCE	GLOBAL	Z	0.00	0.00	0.20	-3.42
D	F161	FORCE	GLOBAL	Z	0.20	-3.42	0.33	-3.42
D	F161	FORCE	GLOBAL	Z	0.33	-3.42	0.53	0.00
D	F252	FORCE	GLOBAL	Z	0.00	0.00	0.20	-3.42
D	F252	FORCE	GLOBAL	Z	0.20	-3.42	0.33	-3.42
D	F252	FORCE	GLOBAL	Z	0.33	-3.42	0.53	0.00
D	F253	FORCE	GLOBAL	Z	0.00	0.00	0.20	-3.42
D	F253	FORCE	GLOBAL	Z	0.20	-3.42	0.33	-3.42
D	F253	FORCE	GLOBAL	Z	0.33	-3.42	0.53	0.00
D	F344	FORCE	GLOBAL	Z	0.00	0.00	0.20	-3.42
D	F344	FORCE	GLOBAL	Z	0.20	-3.42	0.33	-3.42
D	F344	FORCE	GLOBAL	Z	0.33	-3.42	0.53	0.00
D	F345	FORCE	GLOBAL	Z	0.00	0.00	0.20	-3.42
D	F345	FORCE	GLOBAL	Z	0.20	-3.42	0.33	-3.42
D	F345	FORCE	GLOBAL	Z	0.33	-3.42	0.53	0.00
D	F160	FORCE	GLOBAL	Z	0.53	0.00	0.73	-3.42
D	F160	FORCE	GLOBAL	Z	0.73	-3.42	0.80	-3.42
D	F160	FORCE	GLOBAL	Z	0.80	-3.42	1.00	0.00
D	F161	FORCE	GLOBAL	Z	0.53	0.00	0.73	-3.42
D	F161	FORCE	GLOBAL	Z	0.73	-3.42	0.80	-3.42
D	F161	FORCE	GLOBAL	Z	0.80	-3.42	1.00	0.00
D	F252	FORCE	GLOBAL	Z	0.53	0.00	0.73	-3.42
D	F252	FORCE	GLOBAL	Z	0.73	-3.42	0.80	-3.42
D	F252	FORCE	GLOBAL	Z	0.80	-3.42	1.00	0.00
D	F253	FORCE	GLOBAL	Z	0.53	0.00	0.73	-3.42

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F253	FORCE	GLOBAL	Z	0.73	-3.42	0.80	-3.42
D	F253	FORCE	GLOBAL	Z	0.80	-3.42	1.00	0.00
D	F344	FORCE	GLOBAL	Z	0.53	0.00	0.73	-3.42
D	F344	FORCE	GLOBAL	Z	0.73	-3.42	0.80	-3.42
D	F344	FORCE	GLOBAL	Z	0.80	-3.42	1.00	0.00
D	F345	FORCE	GLOBAL	Z	0.53	0.00	0.73	-3.42
D	F345	FORCE	GLOBAL	Z	0.73	-3.42	0.80	-3.42
D	F345	FORCE	GLOBAL	Z	0.80	-3.42	1.00	0.00
D	F92	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F92	FORCE	GLOBAL	Z	0.25	-4.27	0.50	0.00
D	F184	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F184	FORCE	GLOBAL	Z	0.25	-4.27	0.50	0.00
D	F276	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.27
D	F276	FORCE	GLOBAL	Z	0.25	-4.27	0.50	0.00
D	F92	FORCE	GLOBAL	Z	0.50	0.00	0.75	-4.27
D	F92	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F184	FORCE	GLOBAL	Z	0.50	0.00	0.75	-4.27
D	F184	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F276	FORCE	GLOBAL	Z	0.50	0.00	0.75	-4.27
D	F276	FORCE	GLOBAL	Z	0.75	-4.27	1.00	0.00
D	F92	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F184	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F276	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F101	FORCE	GLOBAL	Z	0.00	0.00	0.43	-7.32
D	F101	FORCE	GLOBAL	Z	0.43	-7.32	0.57	-7.32
D	F101	FORCE	GLOBAL	Z	0.57	-7.32	1.00	0.00
D	F193	FORCE	GLOBAL	Z	0.00	0.00	0.43	-7.32
D	F193	FORCE	GLOBAL	Z	0.43	-7.32	0.57	-7.32
D	F193	FORCE	GLOBAL	Z	0.57	-7.32	1.00	0.00
D	F285	FORCE	GLOBAL	Z	0.00	0.00	0.43	-7.32
D	F285	FORCE	GLOBAL	Z	0.43	-7.32	0.57	-7.32
D	F285	FORCE	GLOBAL	Z	0.57	-7.32	1.00	0.00
D	F101	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F193	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F285	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F160	FORCE	GLOBAL	Z	0.53	0.00	0.77	-4.00
D	F160	FORCE	GLOBAL	Z	0.77	-4.00	1.00	0.00
D	F252	FORCE	GLOBAL	Z	0.53	0.00	0.77	-4.00
D	F252	FORCE	GLOBAL	Z	0.77	-4.00	1.00	0.00
D	F344	FORCE	GLOBAL	Z	0.53	0.00	0.77	-4.00
D	F344	FORCE	GLOBAL	Z	0.77	-4.00	1.00	0.00
D	F160	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F252	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F344	FORCE	GLOBAL	Z	0.00	-6.75	1.00	-8.75
D	F175	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F267	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F359	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F378	FORCE	GLOBAL	Z	0.00	0.00	0.43	-7.59
D	F378	FORCE	GLOBAL	Z	0.43	-7.59	0.57	-7.59
D	F378	FORCE	GLOBAL	Z	0.57	-7.59	1.00	0.00
D	F368	FORCE	GLOBAL	Z	0.00	-3.75	1.00	-3.75
D	F378	FORCE	GLOBAL	Z	0.00	-3.75	1.00	-3.75
D	F448	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.02
D	F448	FORCE	GLOBAL	Z	0.50	-5.02	1.00	0.00
D	F432	FORCE	GLOBAL	Z	0.00	0.00	0.48	-5.14
D	F432	FORCE	GLOBAL	Z	0.48	-5.14	0.52	-5.14
D	F432	FORCE	GLOBAL	Z	0.52	-5.14	1.00	0.00
D	F431	FORCE	GLOBAL	Z	0.00	0.00	0.48	-5.14
D	F431	FORCE	GLOBAL	Z	0.48	-5.14	0.52	-5.14
D	F431	FORCE	GLOBAL	Z	0.52	-5.14	1.00	0.00
D	F447	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.02
D	F447	FORCE	GLOBAL	Z	0.50	-5.02	1.00	0.00
D	F432	FORCE	GLOBAL	Z	0.00	-3.75	1.00	-3.75
D	F443	FORCE	GLOBAL	Z	0.00	0.00	0.50	-3.21
D	F443	FORCE	GLOBAL	Z	0.50	-3.21	1.00	0.00
D	F445	FORCE	GLOBAL	Z	0.00	0.00	0.50	-3.21
D	F445	FORCE	GLOBAL	Z	0.50	-3.21	1.00	0.00
D	F424	FORCE	GLOBAL	Z	0.00	-3.75	1.00	-3.75
D	F436	FORCE	GLOBAL	Z	0.00	-3.75	1.00	-3.75
D	F383	FORCE	GLOBAL	Z	0.00	-3.75	1.00	-3.75

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F372	FORCE	GLOBAL	Z	0.00	-3.75	1.00	-3.75
D	F99	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.44
D	F99	FORCE	GLOBAL	Z	0.50	-2.44	1.00	0.00
D	F99	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F99	FORCE	GLOBAL	Z	0.00	0.00	1.00	-4.88
D	F100	FORCE	GLOBAL	Z	0.00	-4.88	0.26	-8.54
D	F100	FORCE	GLOBAL	Z	0.26	-8.54	0.40	-8.54
D	F100	FORCE	GLOBAL	Z	0.40	-8.54	1.00	0.00
D	F191	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.44
D	F191	FORCE	GLOBAL	Z	0.50	-2.44	1.00	0.00
D	F191	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F191	FORCE	GLOBAL	Z	0.00	0.00	1.00	-4.88
D	F192	FORCE	GLOBAL	Z	0.00	-4.88	0.26	-8.54
D	F192	FORCE	GLOBAL	Z	0.26	-8.54	0.40	-8.54
D	F192	FORCE	GLOBAL	Z	0.40	-8.54	1.00	0.00
D	F283	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.44
D	F283	FORCE	GLOBAL	Z	0.50	-2.44	1.00	0.00
D	F283	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F283	FORCE	GLOBAL	Z	0.00	0.00	1.00	-4.88
D	F284	FORCE	GLOBAL	Z	0.00	-4.88	0.26	-8.54
D	F284	FORCE	GLOBAL	Z	0.26	-8.54	0.40	-8.54
D	F284	FORCE	GLOBAL	Z	0.40	-8.54	1.00	0.00
D	F375	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.53
D	F375	FORCE	GLOBAL	Z	0.50	-2.53	1.00	-2.53
D	F375	FORCE	GLOBAL	Z	0.00	-2.53	0.83	-2.53
D	F376	FORCE	GLOBAL	Z	0.83	-2.53	1.00	0.00
D	F375	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.53
D	F375	FORCE	GLOBAL	Z	0.50	-2.53	1.00	0.00
D	F374	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.82
D	F374	FORCE	GLOBAL	Z	0.50	-5.82	1.00	0.00
D	F373	FORCE	GLOBAL	Z	0.00	0.00	0.22	-7.59
D	F373	FORCE	GLOBAL	Z	0.22	-7.59	0.43	0.00
D	F373	FORCE	GLOBAL	Z	0.43	0.00	0.69	-8.86
D	F373	FORCE	GLOBAL	Z	0.69	-8.86	0.75	-8.86
D	F373	FORCE	GLOBAL	Z	0.75	-8.86	1.00	0.00
D	F387	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.82
D	F387	FORCE	GLOBAL	Z	0.50	-5.82	1.00	0.00
D	F144	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F236	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F328	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F239	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F238	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F331	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F330	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F158	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F250	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F342	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F156	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F248	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F340	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F153	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F245	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F337	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F425	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.17
D	F425	FORCE	GLOBAL	Z	0.50	-5.17	1.00	0.00
D	F450	FORCE	GLOBAL	Z	0.00	0.00	0.19	-3.21
D	F450	FORCE	GLOBAL	Z	0.19	-3.21	0.81	-3.21
D	F450	FORCE	GLOBAL	Z	0.81	-3.21	1.00	0.00
D	F449	FORCE	GLOBAL	Z	0.00	0.00	0.19	-3.21
D	F449	FORCE	GLOBAL	Z	0.19	-3.21	0.81	-3.21
D	F449	FORCE	GLOBAL	Z	0.81	-3.21	1.00	0.00
D	F441	FORCE	GLOBAL	Z	0.00	0.00	0.19	-3.21
D	F441	FORCE	GLOBAL	Z	0.19	-3.21	0.81	-3.21
D	F441	FORCE	GLOBAL	Z	0.81	-3.21	1.00	0.00
D	F439	FORCE	GLOBAL	Z	0.00	0.00	0.19	-3.21
D	F439	FORCE	GLOBAL	Z	0.19	-3.21	0.81	-3.21
D	F439	FORCE	GLOBAL	Z	0.81	-3.21	1.00	0.00
D	F442	FORCE	GLOBAL	Z	0.00	-2.50	1.00	-2.50
D	F441	FORCE	GLOBAL	Z	0.00	-2.50	1.00	-2.50
D	F440	FORCE	GLOBAL	Z	0.00	-2.50	1.00	-2.50

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F439	FORCE	GLOBAL	Z	0.00	-2.50	1.00	-2.50
D	F438	FORCE	GLOBAL	Z	0.00	-2.50	1.00	-2.50
D	F440	FORCE	GLOBAL	Z	0.00	0.00	0.43	-3.06
D	F440	FORCE	GLOBAL	Z	0.43	-3.06	0.57	-3.06
D	F440	FORCE	GLOBAL	Z	0.57	-3.06	1.00	0.00
D	F437	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.36
D	F437	FORCE	GLOBAL	Z	0.50	-5.36	1.00	0.00
D	F437	FORCE	GLOBAL	Z	0.00	0.00	0.49	-5.17
D	F437	FORCE	GLOBAL	Z	0.49	-5.17	0.51	-5.17
D	F437	FORCE	GLOBAL	Z	0.51	-5.17	1.00	0.00
D	F167	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F259	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F351	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F177	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F176	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F269	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F268	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F361	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F360	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F451	FORCE	GLOBAL	Z	0.00	0.00	0.49	-5.17
D	F451	FORCE	GLOBAL	Z	0.49	-5.17	0.51	-5.17
D	F451	FORCE	GLOBAL	Z	0.51	-5.17	1.00	0.00
D	F178	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F270	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F362	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F86	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F114	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F206	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F298	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F27	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F28	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F107	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F108	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F115	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F199	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F200	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F207	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F291	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F292	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F299	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F11	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F13	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F22	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F23	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F25	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F26	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F33	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F35	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F38	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F40	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F45	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F47	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F54	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F52	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F61	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F62	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F63	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F72	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F77	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F85	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F84	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F73	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F59	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F71	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F21	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F30	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F32	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F37	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F42	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F44	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F51	FORCE	GLOBAL	Z	0.00	-6.75	1.00	-8.75
D	F81	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F105	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F197	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F289	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F20	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F80	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F18	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F58	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F70	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F50	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F79	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F17	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F57	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F69	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F49	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F93	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F185	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F277	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F78	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F68	FORCE	GLOBAL	Z	0.00	-6.75	1.00	-8.75
D	F170	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F161	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F262	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F253	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F354	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F345	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F56	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F48	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F43	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F41	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F36	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F29	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F31	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F67	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F83	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F16	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F159	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F174	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F251	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F266	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F343	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F358	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F66	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F82	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F146	FORCE	GLOBAL	Z	0.00	0.00	0.30	-8.54
D	F146	FORCE	GLOBAL	Z	0.30	-8.54	0.70	-8.54
D	F146	FORCE	GLOBAL	Z	0.70	-8.54	1.00	0.00
D	F147	FORCE	GLOBAL	Z	0.00	-3.66	0.13	-4.27
D	F147	FORCE	GLOBAL	Z	0.13	-4.27	1.00	0.00
D	F147	FORCE	GLOBAL	Z	0.00	0.00	1.00	-4.88
D	F146	FORCE	GLOBAL	Z	0.00	-4.88	0.13	-8.54
D	F146	FORCE	GLOBAL	Z	0.13	-8.54	0.42	0.00
D	F146	FORCE	GLOBAL	Z	0.42	0.00	0.71	-8.30
D	F146	FORCE	GLOBAL	Z	0.71	-8.30	1.00	0.00
D	F147	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F146	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F168	FORCE	GLOBAL	Z	0.00	0.00	0.13	-3.42
D	F168	FORCE	GLOBAL	Z	0.13	-3.42	0.25	0.00
D	F168	FORCE	GLOBAL	Z	0.25	0.00	0.38	-3.42
D	F168	FORCE	GLOBAL	Z	0.38	-3.42	0.50	0.00
D	F168	FORCE	GLOBAL	Z	0.50	0.00	0.63	-3.42
D	F168	FORCE	GLOBAL	Z	0.63	-3.42	0.75	0.00
D	F168	FORCE	GLOBAL	Z	0.75	0.00	0.88	-3.42
D	F168	FORCE	GLOBAL	Z	0.88	-3.42	1.00	0.00
D	F169	FORCE	GLOBAL	Z	0.00	0.00	1.00	-6.84
D	F168	FORCE	GLOBAL	Z	0.00	-6.84	0.05	-8.30
D	F168	FORCE	GLOBAL	Z	0.05	-8.30	0.36	0.00
D	F168	FORCE	GLOBAL	Z	0.36	0.00	0.51	-2.05
D	F168	FORCE	GLOBAL	Z	0.51	-2.05	0.85	-4.00

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F168	FORCE	GLOBAL	Z	0.85	4.00	1.00	0.00
D	F169	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F168	FORCE	GLOBAL	Z	0.00	-3.75	1.00	-8.75
D	F166	FORCE	GLOBAL	Z	0.00	0.00	0.13	-3.42
D	F166	FORCE	GLOBAL	Z	0.13	-3.42	0.25	0.00
D	F166	FORCE	GLOBAL	Z	0.25	0.00	0.38	-3.42
D	F166	FORCE	GLOBAL	Z	0.38	-3.42	0.50	0.00
D	F166	FORCE	GLOBAL	Z	0.50	0.00	0.63	-3.42
D	F166	FORCE	GLOBAL	Z	0.63	-3.42	0.75	0.00
D	F166	FORCE	GLOBAL	Z	0.75	0.00	0.88	-3.42
D	F166	FORCE	GLOBAL	Z	0.88	-3.42	1.00	0.00
D	F165	FORCE	GLOBAL	Z	0.00	0.00	0.50	-3.66
D	F165	FORCE	GLOBAL	Z	0.50	-3.66	1.00	0.00
D	F166	FORCE	GLOBAL	Z	0.00	0.00	0.15	-4.00
D	F166	FORCE	GLOBAL	Z	0.15	-4.00	0.49	-4.00
D	F166	FORCE	GLOBAL	Z	0.49	-4.00	0.64	0.00
D	F166	FORCE	GLOBAL	Z	0.64	0.00	0.95	-8.30
D	F166	FORCE	GLOBAL	Z	0.95	-8.30	1.00	-6.84
D	F165	FORCE	GLOBAL	Z	0.00	-6.84	1.00	0.00
D	F166	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F165	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F88	FORCE	GLOBAL	Z	0.00	0.00	0.32	-6.10
D	F88	FORCE	GLOBAL	Z	0.32	-6.10	0.64	0.00
D	F88	FORCE	GLOBAL	Z	0.00	0.00	0.13	-1.53
D	F88	FORCE	GLOBAL	Z	0.13	-1.53	1.00	0.00
D	F88	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F88	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F87	FORCE	GLOBAL	Z	0.33	0.00	0.63	-4.27
D	F87	FORCE	GLOBAL	Z	0.63	-4.27	0.71	-4.27
D	F87	FORCE	GLOBAL	Z	0.71	-4.27	1.00	0.00
D	F87	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F87	FORCE	GLOBAL	Z	0.00	0.00	0.17	-1.53
D	F87	FORCE	GLOBAL	Z	0.17	-1.53	0.83	-1.53
D	F87	FORCE	GLOBAL	Z	0.83	-1.53	1.00	0.00
D	F88	FORCE	GLOBAL	Z	0.64	0.00	0.87	-4.27
D	F88	FORCE	GLOBAL	Z	0.87	-4.27	1.00	-4.27
D	F87	FORCE	GLOBAL	Z	0.00	-4.27	0.04	-4.27
D	F87	FORCE	GLOBAL	Z	0.04	-4.27	0.33	0.00
D	F260	FORCE	GLOBAL	Z	0.00	0.00	0.18	-4.88
D	F260	FORCE	GLOBAL	Z	0.18	-4.88	0.36	0.00
D	F260	FORCE	GLOBAL	Z	0.36	0.00	0.55	-5.12
D	F260	FORCE	GLOBAL	Z	0.55	-5.12	0.81	-5.12
D	F260	FORCE	GLOBAL	Z	0.81	-5.12	1.00	0.00
D	F261	FORCE	GLOBAL	Z	0.00	0.00	1.00	-6.84
D	F260	FORCE	GLOBAL	Z	0.00	-6.84	0.05	-8.30
D	F260	FORCE	GLOBAL	Z	0.05	-8.30	0.36	0.00
D	F260	FORCE	GLOBAL	Z	0.36	0.00	0.49	-2.44
D	F260	FORCE	GLOBAL	Z	0.49	-2.44	0.91	-2.44
D	F260	FORCE	GLOBAL	Z	0.91	-2.44	1.00	0.00
D	F261	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F260	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F258	FORCE	GLOBAL	Z	0.00	0.00	0.14	-3.66
D	F258	FORCE	GLOBAL	Z	0.14	-3.66	0.27	0.00
D	F258	FORCE	GLOBAL	Z	0.00	0.00	0.14	-3.66
D	F258	FORCE	GLOBAL	Z	0.14	-3.66	0.27	0.00
D	F258	FORCE	GLOBAL	Z	0.27	0.00	0.41	-3.66
D	F258	FORCE	GLOBAL	Z	0.41	-3.66	0.55	0.00
D	F258	FORCE	GLOBAL	Z	0.27	0.00	0.41	-3.66
D	F258	FORCE	GLOBAL	Z	0.41	-3.66	0.55	0.00
D	F258	FORCE	GLOBAL	Z	0.55	0.00	0.74	-5.12
D	F258	FORCE	GLOBAL	Z	0.74	-5.12	0.81	-5.12
D	F258	FORCE	GLOBAL	Z	0.81	-5.12	1.00	0.00
D	F258	FORCE	GLOBAL	Z	0.55	0.00	0.71	-4.50
D	F258	FORCE	GLOBAL	Z	0.71	-4.50	0.83	-4.50
D	F258	FORCE	GLOBAL	Z	0.83	-4.50	1.00	0.00
D	F257	FORCE	GLOBAL	Z	0.00	0.00	0.50	-3.66
D	F257	FORCE	GLOBAL	Z	0.50	-3.66	1.00	0.00
D	F258	FORCE	GLOBAL	Z	0.00	0.00	0.09	-2.44
D	F258	FORCE	GLOBAL	Z	0.09	-2.44	0.55	-2.44
D	F258	FORCE	GLOBAL	Z	0.55	-2.44	0.64	0.00

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F258	FORCE	GLOBAL	Z	0.64	0.00	0.95	-8.30
D	F258	FORCE	GLOBAL	Z	0.95	-8.30	1.00	-6.84
D	F257	FORCE	GLOBAL	Z	0.00	-6.84	1.00	0.00
D	F258	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F257	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F180	FORCE	GLOBAL	Z	0.00	0.00	0.32	-6.10
D	F180	FORCE	GLOBAL	Z	0.32	-6.10	0.64	0.00
D	F180	FORCE	GLOBAL	Z	0.00	0.00	0.13	-1.53
D	F180	FORCE	GLOBAL	Z	0.13	-1.53	1.00	0.00
D	F180	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F180	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F179	FORCE	GLOBAL	Z	0.33	0.00	0.63	-4.27
D	F179	FORCE	GLOBAL	Z	0.63	-4.27	0.71	-4.27
D	F179	FORCE	GLOBAL	Z	0.71	-4.27	1.00	0.00
D	F179	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F179	FORCE	GLOBAL	Z	0.00	0.00	0.17	-1.53
D	F179	FORCE	GLOBAL	Z	0.17	-1.53	0.83	-1.53
D	F179	FORCE	GLOBAL	Z	0.83	-1.53	1.00	0.00
D	F180	FORCE	GLOBAL	Z	0.64	0.00	0.87	-4.27
D	F180	FORCE	GLOBAL	Z	0.87	-4.27	1.00	-4.27
D	F179	FORCE	GLOBAL	Z	0.00	-4.27	0.04	-4.27
D	F179	FORCE	GLOBAL	Z	0.04	-4.27	0.33	0.00
D	F352	FORCE	GLOBAL	Z	0.00	0.00	0.18	-4.88
D	F352	FORCE	GLOBAL	Z	0.18	-4.88	0.36	0.00
D	F352	FORCE	GLOBAL	Z	0.36	0.00	0.55	-5.12
D	F352	FORCE	GLOBAL	Z	0.55	-5.12	0.81	-5.12
D	F352	FORCE	GLOBAL	Z	0.81	-5.12	1.00	0.00
D	F353	FORCE	GLOBAL	Z	0.00	0.00	1.00	-6.84
D	F352	FORCE	GLOBAL	Z	0.00	-6.84	0.05	-8.30
D	F352	FORCE	GLOBAL	Z	0.05	-8.30	0.36	0.00
D	F352	FORCE	GLOBAL	Z	0.36	0.00	0.49	-2.44
D	F352	FORCE	GLOBAL	Z	0.49	-2.44	0.91	-2.44
D	F352	FORCE	GLOBAL	Z	0.91	-2.44	1.00	0.00
D	F353	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F352	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F350	FORCE	GLOBAL	Z	0.00	0.00	0.14	-3.66
D	F350	FORCE	GLOBAL	Z	0.14	-3.66	0.27	0.00
D	F350	FORCE	GLOBAL	Z	0.00	0.00	0.14	-3.66
D	F350	FORCE	GLOBAL	Z	0.14	-3.66	0.27	0.00
D	F350	FORCE	GLOBAL	Z	0.27	0.00	0.41	-3.66
D	F350	FORCE	GLOBAL	Z	0.41	-3.66	0.55	0.00
D	F350	FORCE	GLOBAL	Z	0.27	0.00	0.41	-3.66
D	F350	FORCE	GLOBAL	Z	0.41	-3.66	0.55	0.00
D	F350	FORCE	GLOBAL	Z	0.55	0.00	0.74	-5.12
D	F350	FORCE	GLOBAL	Z	0.74	-5.12	0.81	-5.12
D	F350	FORCE	GLOBAL	Z	0.81	-5.12	1.00	0.00
D	F350	FORCE	GLOBAL	Z	0.55	0.00	0.71	-4.50
D	F350	FORCE	GLOBAL	Z	0.71	-4.50	0.83	-4.50
D	F350	FORCE	GLOBAL	Z	0.83	-4.50	1.00	0.00
D	F349	FORCE	GLOBAL	Z	0.00	0.00	0.50	-3.66
D	F349	FORCE	GLOBAL	Z	0.50	-3.66	1.00	0.00
D	F350	FORCE	GLOBAL	Z	0.00	0.00	0.09	-2.44
D	F350	FORCE	GLOBAL	Z	0.09	-2.44	0.55	-2.44
D	F350	FORCE	GLOBAL	Z	0.55	-2.44	0.64	0.00
D	F350	FORCE	GLOBAL	Z	0.64	0.00	0.95	-8.30
D	F350	FORCE	GLOBAL	Z	0.95	-8.30	1.00	-6.84
D	F349	FORCE	GLOBAL	Z	0.00	-6.84	1.00	0.00
D	F350	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F349	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F272	FORCE	GLOBAL	Z	0.00	0.00	0.32	-6.10
D	F272	FORCE	GLOBAL	Z	0.32	-6.10	0.64	0.00
D	F272	FORCE	GLOBAL	Z	0.00	0.00	0.13	-1.53
D	F272	FORCE	GLOBAL	Z	0.13	-1.53	1.00	0.00
D	F272	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F272	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F271	FORCE	GLOBAL	Z	0.33	0.00	0.63	-4.27
D	F271	FORCE	GLOBAL	Z	0.63	-4.27	0.71	-4.27
D	F271	FORCE	GLOBAL	Z	0.71	-4.27	1.00	0.00
D	F271	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F271	FORCE	GLOBAL	Z	0.00	0.00	0.17	-1.53

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

D	F271	FORCE	GLOBAL	Z	0.17	-1.53	0.83	-1.53
D	F271	FORCE	GLOBAL	Z	0.83	-1.53	1.00	0.00
D	F272	FORCE	GLOBAL	Z	0.64	0.00	0.87	-4.27
D	F272	FORCE	GLOBAL	Z	0.87	-4.27	1.00	-4.27
D	F271	FORCE	GLOBAL	Z	0.00	-4.27	0.04	-4.27
D	F271	FORCE	GLOBAL	Z	0.04	-4.27	0.33	0.00
D	F420	FORCE	GLOBAL	Z	0.00	0.00	1.00	-3.66
D	F419	FORCE	GLOBAL	Z	0.00	-3.66	0.13	-4.27
D	F419	FORCE	GLOBAL	Z	0.13	-4.27	1.00	0.00
D	F385	FORCE	GLOBAL	Z	0.00	0.00	1.00	-5.06
D	F386	FORCE	GLOBAL	Z	0.00	-5.06	0.08	-7.59
D	F386	FORCE	GLOBAL	Z	0.08	-7.59	0.34	0.00
D	F386	FORCE	GLOBAL	Z	0.34	0.00	0.64	-8.86
D	F386	FORCE	GLOBAL	Z	0.64	-8.86	0.70	-8.86
D	F386	FORCE	GLOBAL	Z	0.70	-8.86	1.00	0.00
D	F203	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.38
D	F203	FORCE	GLOBAL	Z	0.50	-2.38	1.00	0.00
D	F203	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F204	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F204	FORCE	GLOBAL	Z	0.34	0.00	0.95	-8.54
D	F204	FORCE	GLOBAL	Z	0.95	-8.54	1.00	-8.54
D	F203	FORCE	GLOBAL	Z	0.00	0.00	0.88	-4.27
D	F203	FORCE	GLOBAL	Z	0.88	-4.27	1.00	-4.27
D	F204	FORCE	GLOBAL	Z	0.00	-4.27	0.04	-4.27
D	F204	FORCE	GLOBAL	Z	0.04	-4.27	0.34	0.00
D	F295	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.38
D	F295	FORCE	GLOBAL	Z	0.50	-2.38	1.00	0.00
D	F295	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F296	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F296	FORCE	GLOBAL	Z	0.34	0.00	0.95	-8.54
D	F296	FORCE	GLOBAL	Z	0.95	-8.54	1.00	-8.54
D	F295	FORCE	GLOBAL	Z	0.00	0.00	0.88	-4.27
D	F295	FORCE	GLOBAL	Z	0.88	-4.27	1.00	-4.27
D	F296	FORCE	GLOBAL	Z	0.00	-4.27	0.04	-4.27
D	F296	FORCE	GLOBAL	Z	0.04	-4.27	0.34	0.00
D	F155	FORCE	GLOBAL	Z	0.00	0.00	1.00	-1.95
D	F154	FORCE	GLOBAL	Z	0.13	-4.27	1.00	0.00
D	F154	FORCE	GLOBAL	Z	0.00	-3.66	0.13	-4.27
D	F154	FORCE	GLOBAL	Z	0.00	0.00	0.70	-3.42
D	F154	FORCE	GLOBAL	Z	0.70	-3.42	1.00	-1.95
D	F155	FORCE	GLOBAL	Z	0.00	-1.95	1.00	0.00
D	F154	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F155	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F247	FORCE	GLOBAL	Z	0.00	0.00	1.00	-1.95
D	F246	FORCE	GLOBAL	Z	0.13	-4.27	1.00	0.00
D	F246	FORCE	GLOBAL	Z	0.00	-3.66	0.13	-4.27
D	F246	FORCE	GLOBAL	Z	0.00	0.00	0.70	-3.42
D	F246	FORCE	GLOBAL	Z	0.70	-3.42	1.00	-1.95
D	F247	FORCE	GLOBAL	Z	0.00	-1.95	1.00	0.00
D	F246	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F247	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F339	FORCE	GLOBAL	Z	0.00	0.00	1.00	-1.95
D	F338	FORCE	GLOBAL	Z	0.13	-4.27	1.00	0.00
D	F338	FORCE	GLOBAL	Z	0.00	-3.66	0.13	-4.27
D	F338	FORCE	GLOBAL	Z	0.00	0.00	0.70	-3.42
D	F338	FORCE	GLOBAL	Z	0.70	-3.42	1.00	-1.95
D	F339	FORCE	GLOBAL	Z	0.00	-1.95	1.00	0.00
D	F338	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
D	F339	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
L	F91	FORCE	GLOBAL	Z	0.00	0.00	0.42	-3.12
L	F91	FORCE	GLOBAL	Z	0.42	-3.12	0.58	-3.12
L	F91	FORCE	GLOBAL	Z	0.58	-3.12	1.00	0.00
L	F183	FORCE	GLOBAL	Z	0.00	0.00	0.42	-3.12
L	F183	FORCE	GLOBAL	Z	0.42	-3.12	0.58	-3.12
L	F183	FORCE	GLOBAL	Z	0.58	-3.12	1.00	0.00
L	F275	FORCE	GLOBAL	Z	0.00	0.00	0.42	-3.12
L	F275	FORCE	GLOBAL	Z	0.42	-3.12	0.58	-3.12
L	F275	FORCE	GLOBAL	Z	0.58	-3.12	1.00	0.00
L	F182	FORCE	GLOBAL	Z	0.00	0.00	0.45	-4.38
L	F182	FORCE	GLOBAL	Z	0.45	-4.38	0.55	-4.38

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

L	F182	FORCE	GLOBAL	Z	0.55	-4.38	1.00	0.00
L	F274	FORCE	GLOBAL	Z	0.00	0.00	0.45	-4.38
L	F274	FORCE	GLOBAL	Z	0.45	-4.38	0.55	-4.38
L	F274	FORCE	GLOBAL	Z	0.55	-4.38	1.00	0.00
L	F90	FORCE	GLOBAL	Z	0.00	0.00	0.45	-4.38
L	F90	FORCE	GLOBAL	Z	0.45	-4.38	0.55	-4.38
L	F90	FORCE	GLOBAL	Z	0.55	-4.38	1.00	0.00
L	F89	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.88
L	F89	FORCE	GLOBAL	Z	0.50	-2.88	1.00	0.00
L	F181	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.88
L	F181	FORCE	GLOBAL	Z	0.50	-2.88	1.00	0.00
L	F273	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.88
L	F273	FORCE	GLOBAL	Z	0.50	-2.88	1.00	0.00
L	F98	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.88
L	F98	FORCE	GLOBAL	Z	0.50	-2.88	1.00	0.00
L	F190	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.88
L	F190	FORCE	GLOBAL	Z	0.50	-2.88	1.00	0.00
L	F282	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.88
L	F282	FORCE	GLOBAL	Z	0.50	-2.88	1.00	0.00
L	F98	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.88
L	F98	FORCE	GLOBAL	Z	0.50	-2.88	1.00	0.00
L	F190	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.88
L	F190	FORCE	GLOBAL	Z	0.50	-2.88	1.00	0.00
L	F282	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.88
L	F282	FORCE	GLOBAL	Z	0.50	-2.88	1.00	0.00
L	F97	FORCE	GLOBAL	Z	0.43	0.00	0.69	-4.38
L	F97	FORCE	GLOBAL	Z	0.69	-4.38	0.75	-4.38
L	F97	FORCE	GLOBAL	Z	0.75	-4.38	1.00	0.00
L	F189	FORCE	GLOBAL	Z	0.43	0.00	0.69	-4.38
L	F189	FORCE	GLOBAL	Z	0.69	-4.38	0.75	-4.38
L	F189	FORCE	GLOBAL	Z	0.75	-4.38	1.00	0.00
L	F281	FORCE	GLOBAL	Z	0.43	0.00	0.69	-4.38
L	F281	FORCE	GLOBAL	Z	0.69	-4.38	0.75	-4.38
L	F281	FORCE	GLOBAL	Z	0.75	-4.38	1.00	0.00
L	F97	FORCE	GLOBAL	Z	0.00	0.00	0.22	-3.75
L	F97	FORCE	GLOBAL	Z	0.22	-3.75	0.43	0.00
L	F189	FORCE	GLOBAL	Z	0.00	0.00	0.22	-3.75
L	F189	FORCE	GLOBAL	Z	0.22	-3.75	0.43	0.00
L	F281	FORCE	GLOBAL	Z	0.00	0.00	0.22	-3.75
L	F281	FORCE	GLOBAL	Z	0.22	-3.75	0.43	0.00
L	F97	FORCE	GLOBAL	Z	0.64	0.00	0.82	-3.13
L	F97	FORCE	GLOBAL	Z	0.82	-3.13	1.00	0.00
L	F189	FORCE	GLOBAL	Z	0.64	0.00	0.82	-3.13
L	F189	FORCE	GLOBAL	Z	0.82	-3.13	1.00	0.00
L	F281	FORCE	GLOBAL	Z	0.64	0.00	0.82	-3.13
L	F281	FORCE	GLOBAL	Z	0.82	-3.13	1.00	0.00
L	F97	FORCE	GLOBAL	Z	0.29	0.00	0.42	-2.19
L	F97	FORCE	GLOBAL	Z	0.42	-2.19	0.51	-2.19
L	F97	FORCE	GLOBAL	Z	0.51	-2.19	0.64	0.00
L	F189	FORCE	GLOBAL	Z	0.29	0.00	0.42	-2.19
L	F189	FORCE	GLOBAL	Z	0.42	-2.19	0.51	-2.19
L	F189	FORCE	GLOBAL	Z	0.51	-2.19	0.64	0.00
L	F281	FORCE	GLOBAL	Z	0.29	0.00	0.42	-2.19
L	F281	FORCE	GLOBAL	Z	0.42	-2.19	0.51	-2.19
L	F281	FORCE	GLOBAL	Z	0.51	-2.19	0.64	0.00
L	F97	FORCE	GLOBAL	Z	0.00	0.00	0.13	-2.19
L	F97	FORCE	GLOBAL	Z	0.13	-2.19	0.16	-2.19
L	F97	FORCE	GLOBAL	Z	0.16	-2.19	0.29	0.00
L	F189	FORCE	GLOBAL	Z	0.00	0.00	0.13	-2.19
L	F189	FORCE	GLOBAL	Z	0.13	-2.19	0.16	-2.19
L	F189	FORCE	GLOBAL	Z	0.16	-2.19	0.29	0.00
L	F281	FORCE	GLOBAL	Z	0.00	0.00	0.13	-2.19
L	F281	FORCE	GLOBAL	Z	0.13	-2.19	0.16	-2.19
L	F281	FORCE	GLOBAL	Z	0.16	-2.19	0.29	0.00
L	F109	FORCE	GLOBAL	Z	0.00	0.00	0.30	-4.38
L	F109	FORCE	GLOBAL	Z	0.30	-4.38	0.70	-4.38
L	F109	FORCE	GLOBAL	Z	0.70	-4.38	1.00	0.00
L	F110	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.88
L	F110	FORCE	GLOBAL	Z	0.50	-2.88	1.00	0.00
L	F202	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.88

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

L	F202	FORCE	GLOBAL	Z	0.50	-2.88	1.00	0.00
L	F294	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.88
L	F294	FORCE	GLOBAL	Z	0.50	-2.88	1.00	0.00
L	F110	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.88
L	F110	FORCE	GLOBAL	Z	0.50	-2.88	1.00	0.00
L	F202	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.88
L	F202	FORCE	GLOBAL	Z	0.50	-2.88	1.00	0.00
L	F294	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.88
L	F294	FORCE	GLOBAL	Z	0.50	-2.88	1.00	0.00
L	F109	FORCE	GLOBAL	Z	0.51	0.00	0.81	-4.38
L	F109	FORCE	GLOBAL	Z	0.81	-4.38	0.87	-4.38
L	F109	FORCE	GLOBAL	Z	0.87	-4.38	1.00	0.00
L	F201	FORCE	GLOBAL	Z	0.51	0.00	0.81	-4.38
L	F201	FORCE	GLOBAL	Z	0.81	-4.38	0.87	-4.38
L	F201	FORCE	GLOBAL	Z	0.87	-4.38	1.00	0.00
L	F293	FORCE	GLOBAL	Z	0.51	0.00	0.81	-4.38
L	F293	FORCE	GLOBAL	Z	0.81	-4.38	0.87	-4.38
L	F293	FORCE	GLOBAL	Z	0.87	-4.38	1.00	0.00
L	F109	FORCE	GLOBAL	Z	0.00	0.00	0.25	-3.75
L	F109	FORCE	GLOBAL	Z	0.25	-3.75	0.51	0.00
L	F201	FORCE	GLOBAL	Z	0.00	0.00	0.25	-3.75
L	F201	FORCE	GLOBAL	Z	0.25	-3.75	0.51	0.00
L	F293	FORCE	GLOBAL	Z	0.00	0.00	0.25	-3.75
L	F293	FORCE	GLOBAL	Z	0.25	-3.75	0.51	0.00
L	F107	FORCE	GLOBAL	Z	0.00	0.00	1.00	-1.88
L	F108	FORCE	GLOBAL	Z	0.00	-1.88	0.13	-2.19
L	F108	FORCE	GLOBAL	Z	0.13	-2.19	1.00	0.00
L	F114	FORCE	GLOBAL	Z	0.00	0.00	0.88	-2.19
L	F114	FORCE	GLOBAL	Z	0.88	-2.19	1.00	-1.88
L	F115	FORCE	GLOBAL	Z	0.00	-1.88	1.00	0.00
L	F199	FORCE	GLOBAL	Z	0.00	0.00	1.00	-1.88
L	F200	FORCE	GLOBAL	Z	0.00	-1.88	0.13	-2.19
L	F200	FORCE	GLOBAL	Z	0.13	-2.19	1.00	0.00
L	F206	FORCE	GLOBAL	Z	0.00	0.00	0.88	-2.19
L	F206	FORCE	GLOBAL	Z	0.88	-2.19	1.00	-1.88
L	F207	FORCE	GLOBAL	Z	0.00	-1.88	1.00	0.00
L	F291	FORCE	GLOBAL	Z	0.00	0.00	1.00	-1.88
L	F292	FORCE	GLOBAL	Z	0.00	-1.88	0.13	-2.19
L	F292	FORCE	GLOBAL	Z	0.13	-2.19	1.00	0.00
L	F298	FORCE	GLOBAL	Z	0.00	0.00	0.88	-2.19
L	F298	FORCE	GLOBAL	Z	0.88	-2.19	1.00	-1.88
L	F299	FORCE	GLOBAL	Z	0.00	-1.88	1.00	0.00
L	F111	FORCE	GLOBAL	Z	0.00	0.00	1.00	-2.50
L	F112	FORCE	GLOBAL	Z	0.00	-2.50	0.26	-4.38
L	F112	FORCE	GLOBAL	Z	0.26	-4.38	1.00	-4.38
L	F113	FORCE	GLOBAL	Z	0.00	-4.38	0.13	-4.38
L	F113	FORCE	GLOBAL	Z	0.13	-4.38	1.00	0.00
L	F111	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.45
L	F111	FORCE	GLOBAL	Z	0.50	-1.45	1.00	0.00
L	F109	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
L	F205	FORCE	GLOBAL	Z	0.00	-4.38	0.13	-4.38
L	F205	FORCE	GLOBAL	Z	0.13	-4.38	1.00	0.00
L	F297	FORCE	GLOBAL	Z	0.00	-4.38	0.13	-4.38
L	F297	FORCE	GLOBAL	Z	0.13	-4.38	1.00	0.00
L	F201	FORCE	GLOBAL	Z	0.00	0.00	0.30	-4.38
L	F201	FORCE	GLOBAL	Z	0.30	-4.38	0.36	-4.38
L	F201	FORCE	GLOBAL	Z	0.36	-4.38	0.66	0.00
L	F293	FORCE	GLOBAL	Z	0.00	0.00	0.30	-4.38
L	F293	FORCE	GLOBAL	Z	0.30	-4.38	0.36	-4.38
L	F293	FORCE	GLOBAL	Z	0.36	-4.38	0.66	0.00
L	F201	FORCE	GLOBAL	Z	0.66	0.00	0.81	-2.19
L	F201	FORCE	GLOBAL	Z	0.81	-2.19	0.85	-2.19
L	F201	FORCE	GLOBAL	Z	0.85	-2.19	1.00	0.00
L	F293	FORCE	GLOBAL	Z	0.66	0.00	0.81	-2.19
L	F293	FORCE	GLOBAL	Z	0.81	-2.19	0.85	-2.19
L	F293	FORCE	GLOBAL	Z	0.85	-2.19	1.00	0.00
L	F119	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F119	FORCE	GLOBAL	Z	0.12	-4.38	0.29	-4.38
L	F119	FORCE	GLOBAL	Z	0.29	-4.38	0.42	0.00
L	F124	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

L	F124	FORCE	GLOBAL	Z	0.12	-4.38	0.29	-4.38
L	F124	FORCE	GLOBAL	Z	0.29	-4.38	0.42	0.00
L	F129	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F129	FORCE	GLOBAL	Z	0.12	-4.38	0.29	-4.38
L	F129	FORCE	GLOBAL	Z	0.29	-4.38	0.42	0.00
L	F134	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F134	FORCE	GLOBAL	Z	0.12	-4.38	0.29	-4.38
L	F134	FORCE	GLOBAL	Z	0.29	-4.38	0.42	0.00
L	F139	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F139	FORCE	GLOBAL	Z	0.12	-4.38	0.29	-4.38
L	F139	FORCE	GLOBAL	Z	0.29	-4.38	0.42	0.00
L	F119	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F119	FORCE	GLOBAL	Z	0.12	-4.38	0.29	-4.38
L	F119	FORCE	GLOBAL	Z	0.29	-4.38	0.42	0.00
L	F124	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F124	FORCE	GLOBAL	Z	0.12	-4.38	0.29	-4.38
L	F124	FORCE	GLOBAL	Z	0.29	-4.38	0.42	0.00
L	F129	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F129	FORCE	GLOBAL	Z	0.12	-4.38	0.29	-4.38
L	F129	FORCE	GLOBAL	Z	0.29	-4.38	0.42	0.00
L	F134	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F134	FORCE	GLOBAL	Z	0.12	-4.38	0.29	-4.38
L	F134	FORCE	GLOBAL	Z	0.29	-4.38	0.42	0.00
L	F139	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F139	FORCE	GLOBAL	Z	0.12	-4.38	0.29	-4.38
L	F139	FORCE	GLOBAL	Z	0.29	-4.38	0.42	0.00
L	F119	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F119	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F124	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F124	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F129	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F129	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F134	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F134	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F139	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F139	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F119	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F119	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F124	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F124	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F129	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F129	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F134	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F134	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F139	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F139	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F119	FORCE	GLOBAL	Z	0.58	0.00	0.71	-4.38
L	F119	FORCE	GLOBAL	Z	0.71	-4.38	0.88	-4.38
L	F119	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F124	FORCE	GLOBAL	Z	0.58	0.00	0.71	-4.38
L	F124	FORCE	GLOBAL	Z	0.71	-4.38	0.88	-4.38
L	F124	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F129	FORCE	GLOBAL	Z	0.58	0.00	0.71	-4.38
L	F129	FORCE	GLOBAL	Z	0.71	-4.38	0.88	-4.38
L	F129	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F134	FORCE	GLOBAL	Z	0.58	0.00	0.71	-4.38
L	F134	FORCE	GLOBAL	Z	0.71	-4.38	0.88	-4.38
L	F134	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F139	FORCE	GLOBAL	Z	0.58	0.00	0.71	-4.38
L	F139	FORCE	GLOBAL	Z	0.71	-4.38	0.88	-4.38
L	F139	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F119	FORCE	GLOBAL	Z	0.58	0.00	0.71	-4.38
L	F119	FORCE	GLOBAL	Z	0.71	-4.38	0.88	-4.38
L	F119	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F124	FORCE	GLOBAL	Z	0.58	0.00	0.71	-4.38
L	F124	FORCE	GLOBAL	Z	0.71	-4.38	0.88	-4.38
L	F124	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F129	FORCE	GLOBAL	Z	0.58	0.00	0.71	-4.38
L	F129	FORCE	GLOBAL	Z	0.71	-4.38	0.88	-4.38
L	F129	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

L	F220	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F220	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F225	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F225	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F230	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F230	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F212	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F212	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F217	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F217	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F222	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F222	FORCE	GLOBAL	Z	0.50	2.19	1.00	0.00
L	F227	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F227	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F232	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F232	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F302	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F302	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F307	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F307	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F312	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F312	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F317	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F317	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F322	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F322	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F304	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F304	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F309	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F309	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F314	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F314	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F319	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F319	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F324	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F324	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F302	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F302	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F307	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F307	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F312	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F312	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F317	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F317	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F322	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F322	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F304	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F304	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F309	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F309	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F314	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F314	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F319	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F319	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F324	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F324	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F211	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F211	FORCE	GLOBAL	Z	0.12	-4.38	0.15	-4.38
L	F211	FORCE	GLOBAL	Z	0.15	-4.38	0.28	0.00
L	F216	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F216	FORCE	GLOBAL	Z	0.12	-4.38	0.15	-4.38
L	F216	FORCE	GLOBAL	Z	0.15	-4.38	0.28	0.00
L	F221	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F221	FORCE	GLOBAL	Z	0.12	-4.38	0.15	-4.38
L	F221	FORCE	GLOBAL	Z	0.15	-4.38	0.28	0.00
L	F226	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F226	FORCE	GLOBAL	Z	0.12	-4.38	0.15	-4.38
L	F226	FORCE	GLOBAL	Z	0.15	-4.38	0.28	0.00
L	F231	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F231	FORCE	GLOBAL	Z	0.12	-4.38	0.15	-4.38

FrameDistLoads (kN-m)

by Arif Rahman-Kurniawan

L	F231	FORCE	GLOBAL	Z	0.15	-4.38	0.28	0.00
L	F303	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F303	FORCE	GLOBAL	Z	0.12	-4.38	0.15	-4.38
L	F303	FORCE	GLOBAL	Z	0.15	-4.38	0.28	0.00
L	F308	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F308	FORCE	GLOBAL	Z	0.12	-4.38	0.15	-4.38
L	F308	FORCE	GLOBAL	Z	0.15	-4.38	0.28	0.00
L	F313	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F313	FORCE	GLOBAL	Z	0.12	-4.38	0.15	-4.38
L	F313	FORCE	GLOBAL	Z	0.15	-4.38	0.28	0.00
L	F318	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F318	FORCE	GLOBAL	Z	0.12	-4.38	0.15	-4.38
L	F318	FORCE	GLOBAL	Z	0.15	-4.38	0.28	0.00
L	F323	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F323	FORCE	GLOBAL	Z	0.12	-4.38	0.15	-4.38
L	F323	FORCE	GLOBAL	Z	0.15	-4.38	0.28	0.00
L	F211	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F211	FORCE	GLOBAL	Z	0.12	-4.38	0.15	-4.38
L	F211	FORCE	GLOBAL	Z	0.15	-4.38	0.28	0.00
L	F216	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F216	FORCE	GLOBAL	Z	0.12	-4.38	0.15	-4.38
L	F216	FORCE	GLOBAL	Z	0.15	-4.38	0.28	0.00
L	F221	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F221	FORCE	GLOBAL	Z	0.12	-4.38	0.15	-4.38
L	F221	FORCE	GLOBAL	Z	0.15	-4.38	0.28	0.00
L	F226	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F226	FORCE	GLOBAL	Z	0.12	-4.38	0.15	-4.38
L	F226	FORCE	GLOBAL	Z	0.15	-4.38	0.28	0.00
L	F231	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F231	FORCE	GLOBAL	Z	0.12	-4.38	0.15	-4.38
L	F231	FORCE	GLOBAL	Z	0.15	-4.38	0.28	0.00
L	F303	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F303	FORCE	GLOBAL	Z	0.12	-4.38	0.15	-4.38
L	F303	FORCE	GLOBAL	Z	0.15	-4.38	0.28	0.00
L	F308	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F308	FORCE	GLOBAL	Z	0.12	-4.38	0.15	-4.38
L	F308	FORCE	GLOBAL	Z	0.15	-4.38	0.28	0.00
L	F313	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F313	FORCE	GLOBAL	Z	0.12	-4.38	0.15	-4.38
L	F313	FORCE	GLOBAL	Z	0.15	-4.38	0.28	0.00
L	F318	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F318	FORCE	GLOBAL	Z	0.12	-4.38	0.15	-4.38
L	F318	FORCE	GLOBAL	Z	0.15	-4.38	0.28	0.00
L	F323	FORCE	GLOBAL	Z	0.00	0.00	0.12	-4.38
L	F323	FORCE	GLOBAL	Z	0.12	-4.38	0.15	-4.38
L	F323	FORCE	GLOBAL	Z	0.15	-4.38	0.28	0.00
L	F211	FORCE	GLOBAL	Z	0.28	0.00	0.34	-2.19
L	F211	FORCE	GLOBAL	Z	0.34	-2.19	0.36	-2.19
L	F211	FORCE	GLOBAL	Z	0.36	-2.19	0.42	0.00
L	F216	FORCE	GLOBAL	Z	0.28	0.00	0.34	-2.19
L	F216	FORCE	GLOBAL	Z	0.34	-2.19	0.36	-2.19
L	F216	FORCE	GLOBAL	Z	0.36	-2.19	0.42	0.00
L	F221	FORCE	GLOBAL	Z	0.28	0.00	0.34	-2.19
L	F221	FORCE	GLOBAL	Z	0.34	-2.19	0.36	-2.19
L	F221	FORCE	GLOBAL	Z	0.36	-2.19	0.42	0.00
L	F226	FORCE	GLOBAL	Z	0.28	0.00	0.34	-2.19
L	F226	FORCE	GLOBAL	Z	0.34	-2.19	0.36	-2.19
L	F226	FORCE	GLOBAL	Z	0.36	-2.19	0.42	0.00
L	F231	FORCE	GLOBAL	Z	0.28	0.00	0.34	-2.19
L	F231	FORCE	GLOBAL	Z	0.34	-2.19	0.36	-2.19
L	F231	FORCE	GLOBAL	Z	0.36	-2.19	0.42	0.00
L	F303	FORCE	GLOBAL	Z	0.28	0.00	0.34	-2.19
L	F303	FORCE	GLOBAL	Z	0.34	-2.19	0.36	-2.19
L	F303	FORCE	GLOBAL	Z	0.36	-2.19	0.42	0.00
L	F308	FORCE	GLOBAL	Z	0.28	0.00	0.34	-2.19
L	F308	FORCE	GLOBAL	Z	0.34	-2.19	0.36	-2.19
L	F308	FORCE	GLOBAL	Z	0.36	-2.19	0.42	0.00
L	F313	FORCE	GLOBAL	Z	0.28	0.00	0.34	-2.19
L	F313	FORCE	GLOBAL	Z	0.34	-2.19	0.36	-2.19
L	F313	FORCE	GLOBAL	Z	0.36	-2.19	0.42	0.00

L	F318	FORCE	GLOBAL	Z	0.28	0.00	0.34	-2.19
L	F318	FORCE	GLOBAL	Z	0.34	-2.19	0.36	-2.19
L	F318	FORCE	GLOBAL	Z	0.36	-2.19	0.42	0.00
L	F323	FORCE	GLOBAL	Z	0.28	0.00	0.34	-2.19
L	F323	FORCE	GLOBAL	Z	0.34	-2.19	0.36	-2.19
L	F323	FORCE	GLOBAL	Z	0.36	2.19	0.42	0.00
L	F211	FORCE	GLOBAL	Z	0.29	0.00	0.34	-2.19
L	F211	FORCE	GLOBAL	Z	0.34	-2.19	0.36	-2.19
L	F211	FORCE	GLOBAL	Z	0.36	-2.19	0.42	0.00
L	F216	FORCE	GLOBAL	Z	0.28	0.00	0.34	-2.19
L	F216	FORCE	GLOBAL	Z	0.34	-2.19	0.36	-2.19
L	F216	FORCE	GLOBAL	Z	0.36	-2.19	0.42	0.00
L	F221	FORCE	GLOBAL	Z	0.28	0.00	0.34	-2.19
L	F221	FORCE	GLOBAL	Z	0.34	-2.19	0.36	-2.19
L	F221	FORCE	GLOBAL	Z	0.36	-2.19	0.42	0.00
L	F226	FORCE	GLOBAL	Z	0.28	0.00	0.34	-2.19
L	F226	FORCE	GLOBAL	Z	0.34	-2.19	0.36	-2.19
L	F226	FORCE	GLOBAL	Z	0.36	-2.19	0.42	0.00
L	F231	FORCE	GLOBAL	Z	0.28	0.00	0.34	-2.19
L	F231	FORCE	GLOBAL	Z	0.34	-2.19	0.36	-2.19
L	F231	FORCE	GLOBAL	Z	0.36	-2.19	0.42	0.00
L	F303	FORCE	GLOBAL	Z	0.28	0.00	0.34	-2.19
L	F303	FORCE	GLOBAL	Z	0.34	-2.19	0.36	-2.19
L	F303	FORCE	GLOBAL	Z	0.36	-2.19	0.42	0.00
L	F308	FORCE	GLOBAL	Z	0.28	0.00	0.34	-2.19
L	F308	FORCE	GLOBAL	Z	0.34	-2.19	0.36	-2.19
L	F308	FORCE	GLOBAL	Z	0.36	-2.19	0.42	0.00
L	F313	FORCE	GLOBAL	Z	0.28	0.00	0.34	-2.19
L	F313	FORCE	GLOBAL	Z	0.34	-2.19	0.36	-2.19
L	F313	FORCE	GLOBAL	Z	0.36	-2.19	0.42	0.00
L	F318	FORCE	GLOBAL	Z	0.28	0.00	0.34	-2.19
L	F318	FORCE	GLOBAL	Z	0.34	-2.19	0.36	-2.19
L	F318	FORCE	GLOBAL	Z	0.36	-2.19	0.42	0.00
L	F323	FORCE	GLOBAL	Z	0.28	0.00	0.34	-2.19
L	F323	FORCE	GLOBAL	Z	0.34	-2.19	0.36	-2.19
L	F323	FORCE	GLOBAL	Z	0.36	-2.19	0.42	0.00
L	F211	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F211	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F216	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F216	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F221	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F221	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F226	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F226	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F231	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F231	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F303	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F303	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F308	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F308	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F313	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F313	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F318	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F318	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F323	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F323	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F211	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F211	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F216	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F216	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F221	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F221	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F226	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F226	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F231	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F231	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F303	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F303	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00
L	F308	FORCE	GLOBAL	Z	0.42	0.00	0.50	-2.88
L	F308	FORCE	GLOBAL	Z	0.50	-2.88	0.58	0.00

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

L	F216	FORCE	GLOBAL	Z	0.85	-4.38	0.88	-4.38
L	F216	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F221	FORCE	GLOBAL	Z	0.72	0.00	0.85	-4.38
L	F221	FORCE	GLOBAL	Z	0.85	-4.38	0.88	-4.38
L	F221	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F226	FORCE	GLOBAL	Z	0.72	0.00	0.85	-4.38
L	F226	FORCE	GLOBAL	Z	0.85	-4.38	0.88	-4.38
L	F226	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F231	FORCE	GLOBAL	Z	0.72	0.00	0.85	-4.38
L	F231	FORCE	GLOBAL	Z	0.85	-4.38	0.88	-4.38
L	F231	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F303	FORCE	GLOBAL	Z	0.72	0.00	0.85	-4.38
L	F303	FORCE	GLOBAL	Z	0.85	-4.38	0.88	-4.38
L	F303	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F308	FORCE	GLOBAL	Z	0.72	0.00	0.85	-4.38
L	F308	FORCE	GLOBAL	Z	0.85	-4.38	0.88	-4.38
L	F308	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F313	FORCE	GLOBAL	Z	0.72	0.00	0.85	-4.38
L	F313	FORCE	GLOBAL	Z	0.85	-4.38	0.88	-4.38
L	F313	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F318	FORCE	GLOBAL	Z	0.72	0.00	0.85	-4.38
L	F318	FORCE	GLOBAL	Z	0.85	-4.38	0.88	-4.38
L	F318	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F323	FORCE	GLOBAL	Z	0.72	0.00	0.85	-4.38
L	F323	FORCE	GLOBAL	Z	0.85	-4.38	0.88	-4.38
L	F323	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F211	FORCE	GLOBAL	Z	0.72	0.00	0.85	-4.38
L	F211	FORCE	GLOBAL	Z	0.85	-4.38	0.88	-4.38
L	F211	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F216	FORCE	GLOBAL	Z	0.72	0.00	0.85	-4.38
L	F216	FORCE	GLOBAL	Z	0.85	-4.38	0.88	-4.38
L	F216	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F221	FORCE	GLOBAL	Z	0.72	0.00	0.85	-4.38
L	F221	FORCE	GLOBAL	Z	0.85	-4.38	0.88	-4.38
L	F221	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F226	FORCE	GLOBAL	Z	0.72	0.00	0.85	-4.38
L	F226	FORCE	GLOBAL	Z	0.85	-4.38	0.88	-4.38
L	F226	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F231	FORCE	GLOBAL	Z	0.72	0.00	0.85	-4.38
L	F231	FORCE	GLOBAL	Z	0.85	-4.38	0.88	-4.38
L	F231	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F303	FORCE	GLOBAL	Z	0.72	0.00	0.85	-4.38
L	F303	FORCE	GLOBAL	Z	0.85	-4.38	0.88	-4.38
L	F303	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F308	FORCE	GLOBAL	Z	0.72	0.00	0.85	-4.38
L	F308	FORCE	GLOBAL	Z	0.85	-4.38	0.88	-4.38
L	F308	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F313	FORCE	GLOBAL	Z	0.72	0.00	0.85	-4.38
L	F313	FORCE	GLOBAL	Z	0.85	-4.38	0.88	-4.38
L	F313	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F318	FORCE	GLOBAL	Z	0.72	0.00	0.85	-4.38
L	F318	FORCE	GLOBAL	Z	0.85	-4.38	0.88	-4.38
L	F318	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F323	FORCE	GLOBAL	Z	0.72	0.00	0.85	-4.38
L	F323	FORCE	GLOBAL	Z	0.85	-4.38	0.88	-4.38
L	F323	FORCE	GLOBAL	Z	0.88	-4.38	1.00	0.00
L	F395	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.75
L	F395	FORCE	GLOBAL	Z	0.50	-1.75	1.00	0.00
L	F399	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.75
L	F399	FORCE	GLOBAL	Z	0.50	-1.75	1.00	0.00
L	F403	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.75
L	F403	FORCE	GLOBAL	Z	0.50	-1.75	1.00	0.00
L	F407	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.75
L	F407	FORCE	GLOBAL	Z	0.50	-1.75	1.00	0.00
L	F411	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.75
L	F411	FORCE	GLOBAL	Z	0.50	-1.75	1.00	0.00
L	F396	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.75
L	F396	FORCE	GLOBAL	Z	0.50	-1.75	1.00	0.00
L	F400	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.75
L	F400	FORCE	GLOBAL	Z	0.50	-1.75	1.00	0.00

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

L	F404	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.75
L	F404	FORCE	GLOBAL	Z	0.50	-1.75	1.00	0.00
L	F408	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.75
L	F408	FORCE	GLOBAL	Z	0.50	-1.75	1.00	0.00
L	F412	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.75
L	F412	FORCE	GLOBAL	Z	0.50	-1.75	1.00	0.00
L	F145	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.76
L	F145	FORCE	GLOBAL	Z	0.50	-5.76	1.00	0.00
L	F157	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.76
L	F157	FORCE	GLOBAL	Z	0.50	-5.76	1.00	0.00
L	F237	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.76
L	F237	FORCE	GLOBAL	Z	0.50	-5.76	1.00	0.00
L	F249	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.76
L	F249	FORCE	GLOBAL	Z	0.50	-5.76	1.00	0.00
L	F329	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.76
L	F329	FORCE	GLOBAL	Z	0.50	-5.76	1.00	0.00
L	F341	FORCE	GLOBAL	Z	0.00	0.00	0.50	-5.76
L	F341	FORCE	GLOBAL	Z	0.50	-5.76	1.00	0.00
L	F144	FORCE	GLOBAL	Z	0.00	0.00	0.30	-4.38
L	F144	FORCE	GLOBAL	Z	0.30	-4.38	0.70	-4.38
L	F144	FORCE	GLOBAL	Z	0.70	-4.38	1.00	0.00
L	F144	FORCE	GLOBAL	Z	0.00	0.00	0.30	-4.38
L	F144	FORCE	GLOBAL	Z	0.30	-4.38	0.70	-4.38
L	F144	FORCE	GLOBAL	Z	0.70	-4.38	1.00	0.00
L	F143	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F143	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F235	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F235	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F327	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F327	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F415	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F415	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F143	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F143	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F235	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F235	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F327	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F327	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F415	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.19
L	F415	FORCE	GLOBAL	Z	0.50	-2.19	1.00	0.00
L	F240	FORCE	GLOBAL	Z	0.00	0.00	1.00	-1.88
L	F148	FORCE	GLOBAL	Z	0.00	0.00	1.00	-1.88
L	F332	FORCE	GLOBAL	Z	0.00	0.00	1.00	-1.88
L	F158	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.38
L	F158	FORCE	GLOBAL	Z	0.25	-4.38	0.51	0.00
L	F250	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.38
L	F250	FORCE	GLOBAL	Z	0.25	-4.38	0.51	0.00
L	F342	FORCE	GLOBAL	Z	0.00	0.00	0.25	-4.38
L	F342	FORCE	GLOBAL	Z	0.25	-4.38	0.51	0.00
L	F158	FORCE	GLOBAL	Z	0.51	0.00	0.75	-4.25
L	F158	FORCE	GLOBAL	Z	0.75	-4.25	1.00	0.00
L	F250	FORCE	GLOBAL	Z	0.51	0.00	0.75	-4.25
L	F250	FORCE	GLOBAL	Z	0.75	-4.25	1.00	0.00
L	F342	FORCE	GLOBAL	Z	0.51	0.00	0.75	-4.25
L	F342	FORCE	GLOBAL	Z	0.75	-4.25	1.00	0.00
L	F158	FORCE	GLOBAL	Z	0.51	0.00	0.75	-4.25
L	F158	FORCE	GLOBAL	Z	0.75	-4.25	1.00	0.00
L	F250	FORCE	GLOBAL	Z	0.51	0.00	0.75	-4.25
L	F250	FORCE	GLOBAL	Z	0.75	-4.25	1.00	0.00
L	F342	FORCE	GLOBAL	Z	0.51	0.00	0.75	-4.25
L	F342	FORCE	GLOBAL	Z	0.75	-4.25	1.00	0.00
L	F239	FORCE	GLOBAL	Z	0.00	-1.88	0.13	-2.19
L	F239	FORCE	GLOBAL	Z	0.13	-2.19	1.00	0.00
L	F239	FORCE	GLOBAL	Z	0.00	0.00	1.00	-2.50
L	F238	FORCE	GLOBAL	Z	0.00	-2.50	0.13	-4.38
L	F238	FORCE	GLOBAL	Z	0.13	-4.38	0.42	0.00
L	F238	FORCE	GLOBAL	Z	0.42	0.00	0.71	-4.25
L	F238	FORCE	GLOBAL	Z	0.71	-4.25	1.00	0.00
L	F331	FORCE	GLOBAL	Z	0.00	-1.88	0.13	-2.19
L	F331	FORCE	GLOBAL	Z	0.13	-2.19	1.00	0.00

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

L	F331	FORCE	GLOBAL	Z	0.00	0.00	1.00	-2.50
L	F330	FORCE	GLOBAL	Z	0.00	-2.50	0.13	-4.38
L	F330	FORCE	GLOBAL	Z	0.13	-4.38	0.42	0.00
L	F330	FORCE	GLOBAL	Z	0.42	0.00	0.71	-4.25
L	F330	FORCE	GLOBAL	Z	0.71	-4.25	1.00	0.00
L	F238	FORCE	GLOBAL	Z	0.00	0.00	0.30	-4.38
L	F238	FORCE	GLOBAL	Z	0.30	-4.38	0.36	-4.38
L	F238	FORCE	GLOBAL	Z	0.36	-4.38	0.66	0.00
L	F330	FORCE	GLOBAL	Z	0.00	0.00	0.30	-4.38
L	F330	FORCE	GLOBAL	Z	0.30	-4.38	0.36	-4.38
L	F330	FORCE	GLOBAL	Z	0.36	-4.38	0.66	0.00
L	F238	FORCE	GLOBAL	Z	0.66	0.00	0.81	-2.19
L	F238	FORCE	GLOBAL	Z	0.81	-2.19	0.85	-2.19
L	F238	FORCE	GLOBAL	Z	0.85	-2.19	1.00	0.00
L	F330	FORCE	GLOBAL	Z	0.66	0.00	0.81	-2.19
L	F330	FORCE	GLOBAL	Z	0.81	-2.19	0.85	-2.19
L	F330	FORCE	GLOBAL	Z	0.85	-2.19	1.00	0.00
L	F236	FORCE	GLOBAL	Z	0.34	0.00	0.64	-4.38
L	F236	FORCE	GLOBAL	Z	0.64	-4.38	0.70	-4.38
L	F236	FORCE	GLOBAL	Z	0.70	-4.38	1.00	0.00
L	F328	FORCE	GLOBAL	Z	0.34	0.00	0.64	-4.38
L	F328	FORCE	GLOBAL	Z	0.64	-4.38	0.70	-4.38
L	F328	FORCE	GLOBAL	Z	0.70	-4.38	1.00	0.00
L	F236	FORCE	GLOBAL	Z	0.34	0.00	0.64	-4.38
L	F236	FORCE	GLOBAL	Z	0.64	-4.38	0.70	-4.38
L	F236	FORCE	GLOBAL	Z	0.70	-4.38	1.00	0.00
L	F328	FORCE	GLOBAL	Z	0.34	0.00	0.64	-4.38
L	F328	FORCE	GLOBAL	Z	0.64	-4.38	0.70	-4.38
L	F328	FORCE	GLOBAL	Z	0.70	-4.38	1.00	0.00
L	F236	FORCE	GLOBAL	Z	0.00	0.00	0.15	-2.19
L	F236	FORCE	GLOBAL	Z	0.15	-2.19	0.19	-2.19
L	F236	FORCE	GLOBAL	Z	0.19	-2.19	0.34	0.00
L	F328	FORCE	GLOBAL	Z	0.00	0.00	0.15	-2.19
L	F328	FORCE	GLOBAL	Z	0.15	-2.19	0.19	-2.19
L	F328	FORCE	GLOBAL	Z	0.19	-2.19	0.34	0.00
L	F236	FORCE	GLOBAL	Z	0.00	0.00	0.15	-2.19
L	F236	FORCE	GLOBAL	Z	0.15	-2.19	0.19	-2.19
L	F236	FORCE	GLOBAL	Z	0.19	-2.19	0.34	0.00
L	F328	FORCE	GLOBAL	Z	0.00	0.00	0.15	-2.19
L	F328	FORCE	GLOBAL	Z	0.15	-2.19	0.19	-2.19
L	F328	FORCE	GLOBAL	Z	0.19	-2.19	0.34	0.00
L	F158	FORCE	GLOBAL	Z	0.00	0.00	0.12	-2.05
L	F158	FORCE	GLOBAL	Z	0.12	-2.05	0.39	-2.05
L	F158	FORCE	GLOBAL	Z	0.39	-2.05	0.51	0.00
L	F156	FORCE	GLOBAL	Z	0.00	-1.00	0.25	-4.38
L	F156	FORCE	GLOBAL	Z	0.25	-4.38	0.68	-4.38
L	F156	FORCE	GLOBAL	Z	0.68	-4.38	1.00	0.00
L	F156	FORCE	GLOBAL	Z	0.45	0.00	0.60	-2.05
L	F156	FORCE	GLOBAL	Z	0.60	-2.05	0.85	-2.05
L	F156	FORCE	GLOBAL	Z	0.85	-2.05	1.00	0.00
L	F248	FORCE	GLOBAL	Z	0.00	-1.00	0.25	-4.38
L	F248	FORCE	GLOBAL	Z	0.25	-4.38	0.32	-4.38
L	F248	FORCE	GLOBAL	Z	0.32	-4.38	0.64	0.00
L	F248	FORCE	GLOBAL	Z	0.64	0.00	0.80	-2.19
L	F248	FORCE	GLOBAL	Z	0.80	-2.19	0.84	-2.19
L	F248	FORCE	GLOBAL	Z	0.84	-2.19	1.00	0.00
L	F248	FORCE	GLOBAL	Z	0.45	0.00	0.60	-2.05
L	F248	FORCE	GLOBAL	Z	0.60	-2.05	0.85	-2.05
L	F248	FORCE	GLOBAL	Z	0.85	-2.05	1.00	0.00
L	F340	FORCE	GLOBAL	Z	0.00	-1.00	0.25	-4.38
L	F340	FORCE	GLOBAL	Z	0.25	-4.38	0.32	-4.38
L	F340	FORCE	GLOBAL	Z	0.32	-4.38	0.64	0.00
L	F340	FORCE	GLOBAL	Z	0.64	0.00	0.80	-2.19
L	F340	FORCE	GLOBAL	Z	0.80	-2.19	0.84	-2.19
L	F340	FORCE	GLOBAL	Z	0.84	-2.19	1.00	0.00
L	F340	FORCE	GLOBAL	Z	0.45	0.00	0.60	-2.05
L	F340	FORCE	GLOBAL	Z	0.60	-2.05	0.85	-2.05
L	F340	FORCE	GLOBAL	Z	0.85	-2.05	1.00	0.00
L	F156	FORCE	GLOBAL	Z	0.00	0.00	0.15	-2.50
L	F156	FORCE	GLOBAL	Z	0.15	-2.50	0.31	-2.50

FrameDistLoads (kN-m)

by Arif Rahman-Kurniawan

L	F156	FORCE	GLOBAL	Z	0.31	-2.50	0.45	0.00
L	F248	FORCE	GLOBAL	Z	0.00	0.00	0.15	-2.50
L	F248	FORCE	GLOBAL	Z	0.15	-2.50	0.31	-2.50
L	F248	FORCE	GLOBAL	Z	0.31	-2.50	0.45	0.00
L	F340	FORCE	GLOBAL	Z	0.00	0.00	0.15	-2.50
L	F340	FORCE	GLOBAL	Z	0.15	-2.50	0.31	-2.50
L	F340	FORCE	GLOBAL	Z	0.31	-2.50	0.45	0.00
L	F153	FORCE	GLOBAL	Z	0.00	-1.88	0.22	0.00
L	F245	FORCE	GLOBAL	Z	0.00	-1.88	0.22	0.00
L	F337	FORCE	GLOBAL	Z	0.00	-1.88	0.22	0.00
L	F153	FORCE	GLOBAL	Z	0.00	0.00	0.24	-2.05
L	F153	FORCE	GLOBAL	Z	0.24	-2.05	0.76	-2.05
L	F153	FORCE	GLOBAL	Z	0.76	-2.05	1.00	0.00
L	F245	FORCE	GLOBAL	Z	0.00	0.00	0.24	-2.05
L	F245	FORCE	GLOBAL	Z	0.24	-2.05	0.76	-2.05
L	F245	FORCE	GLOBAL	Z	0.76	-2.05	1.00	0.00
L	F337	FORCE	GLOBAL	Z	0.00	0.00	0.24	-2.05
L	F337	FORCE	GLOBAL	Z	0.24	-2.05	0.76	-2.05
L	F337	FORCE	GLOBAL	Z	0.76	-2.05	1.00	0.00
L	F250	FORCE	GLOBAL	Z	0.00	0.00	0.18	-3.13
L	F250	FORCE	GLOBAL	Z	0.18	-3.13	0.31	-3.13
L	F250	FORCE	GLOBAL	Z	0.31	-3.13	0.49	0.00
L	F342	FORCE	GLOBAL	Z	0.00	0.00	0.18	-3.13
L	F342	FORCE	GLOBAL	Z	0.18	-3.13	0.31	-3.13
L	F342	FORCE	GLOBAL	Z	0.31	-3.13	0.49	0.00
L	F177	FORCE	GLOBAL	Z	0.25	0.00	0.38	-1.75
L	F177	FORCE	GLOBAL	Z	0.38	-1.75	0.50	0.00
L	F176	FORCE	GLOBAL	Z	0.25	0.00	0.38	-1.75
L	F176	FORCE	GLOBAL	Z	0.38	-1.75	0.50	0.00
L	F177	FORCE	GLOBAL	Z	0.00	0.00	0.13	-1.75
L	F176	FORCE	GLOBAL	Z	0.00	0.00	0.13	-1.75
L	F177	FORCE	GLOBAL	Z	0.50	0.00	0.63	-1.75
L	F177	FORCE	GLOBAL	Z	0.63	-1.75	0.75	0.00
L	F176	FORCE	GLOBAL	Z	0.50	0.00	0.63	-1.75
L	F176	FORCE	GLOBAL	Z	0.63	-1.75	0.75	0.00
L	F177	FORCE	GLOBAL	Z	0.75	0.00	0.88	-1.75
L	F177	FORCE	GLOBAL	Z	0.88	-1.75	1.00	0.00
L	F176	FORCE	GLOBAL	Z	0.75	0.00	0.88	-1.75
L	F176	FORCE	GLOBAL	Z	0.88	-1.75	1.00	0.00
L	F167	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.88
L	F167	FORCE	GLOBAL	Z	0.50	-2.88	1.00	0.00
L	F259	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.88
L	F259	FORCE	GLOBAL	Z	0.50	-2.88	1.00	0.00
L	F351	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.88
L	F351	FORCE	GLOBAL	Z	0.50	-2.88	1.00	0.00
L	F268	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.75
L	F268	FORCE	GLOBAL	Z	0.14	-1.75	0.27	0.00
L	F360	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.75
L	F360	FORCE	GLOBAL	Z	0.14	-1.75	0.27	0.00
L	F268	FORCE	GLOBAL	Z	0.27	0.00	0.41	-1.75
L	F268	FORCE	GLOBAL	Z	0.41	-1.75	0.55	0.00
L	F360	FORCE	GLOBAL	Z	0.27	0.00	0.41	-1.75
L	F360	FORCE	GLOBAL	Z	0.41	-1.75	0.55	0.00
L	F268	FORCE	GLOBAL	Z	0.55	0.00	0.74	-2.63
L	F268	FORCE	GLOBAL	Z	0.74	-2.63	0.81	-2.63
L	F268	FORCE	GLOBAL	Z	0.81	-2.63	1.00	0.00
L	F360	FORCE	GLOBAL	Z	0.55	0.00	0.74	-2.63
L	F360	FORCE	GLOBAL	Z	0.74	-2.63	0.81	-2.63
L	F360	FORCE	GLOBAL	Z	0.81	-2.63	1.00	0.00
L	F269	FORCE	GLOBAL	Z	0.00	0.00	0.18	-2.50
L	F269	FORCE	GLOBAL	Z	0.18	-2.50	0.36	0.00
L	F361	FORCE	GLOBAL	Z	0.00	0.00	0.18	-2.50
L	F361	FORCE	GLOBAL	Z	0.18	-2.50	0.36	0.00
L	F269	FORCE	GLOBAL	Z	0.36	0.00	0.55	-2.63
L	F269	FORCE	GLOBAL	Z	0.55	-2.63	0.81	-2.63
L	F269	FORCE	GLOBAL	Z	0.81	-2.63	1.00	0.00
L	F361	FORCE	GLOBAL	Z	0.36	0.00	0.55	-2.63
L	F361	FORCE	GLOBAL	Z	0.55	-2.63	0.81	-2.63
L	F361	FORCE	GLOBAL	Z	0.81	-2.63	1.00	0.00
L	F167	FORCE	GLOBAL	Z	0.00	-1.00	1.00	-1.00

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

L	F259	FORCE	GLOBAL	Z	0.00	-1.00	1.00	-1.00
L	F351	FORCE	GLOBAL	Z	0.00	-1.00	1.00	-1.00
L	F177	FORCE	GLOBAL	Z	0.00	-1.00	1.00	-1.00
L	F176	FORCE	GLOBAL	Z	0.00	-1.00	1.00	-1.00
L	F269	FORCE	GLOBAL	Z	0.00	-1.00	1.00	-1.00
L	F268	FORCE	GLOBAL	Z	0.00	-1.00	1.00	-1.00
L	F361	FORCE	GLOBAL	Z	0.00	-1.00	1.00	-1.00
L	F360	FORCE	GLOBAL	Z	0.00	-1.00	1.00	-1.00
L	F152	FORCE	GLOBAL	Z	0.00	0.00	0.49	-3.13
L	F152	FORCE	GLOBAL	Z	0.49	-3.13	0.51	-3.13
L	F152	FORCE	GLOBAL	Z	0.51	-3.13	1.00	0.00
L	F164	FORCE	GLOBAL	Z	0.00	0.00	0.49	-3.13
L	F164	FORCE	GLOBAL	Z	0.49	-3.13	0.51	-3.13
L	F164	FORCE	GLOBAL	Z	0.51	-3.13	1.00	0.00
L	F244	FORCE	GLOBAL	Z	0.00	0.00	0.49	-3.13
L	F244	FORCE	GLOBAL	Z	0.49	-3.13	0.51	-3.13
L	F244	FORCE	GLOBAL	Z	0.51	-3.13	1.00	0.00
L	F256	FORCE	GLOBAL	Z	0.00	0.00	0.49	-3.13
L	F256	FORCE	GLOBAL	Z	0.49	-3.13	0.51	-3.13
L	F256	FORCE	GLOBAL	Z	0.51	-3.13	1.00	0.00
L	F336	FORCE	GLOBAL	Z	0.00	0.00	0.49	-3.13
L	F336	FORCE	GLOBAL	Z	0.49	-3.13	0.51	-3.13
L	F336	FORCE	GLOBAL	Z	0.51	-3.13	1.00	0.00
L	F348	FORCE	GLOBAL	Z	0.00	0.00	0.49	-3.13
L	F348	FORCE	GLOBAL	Z	0.49	-3.13	0.51	-3.13
L	F348	FORCE	GLOBAL	Z	0.51	-3.13	1.00	0.00
L	F152	FORCE	GLOBAL	Z	0.00	0.00	0.14	-0.50
L	F152	FORCE	GLOBAL	Z	0.14	-0.50	0.86	-0.50
L	F152	FORCE	GLOBAL	Z	0.86	-0.50	1.00	0.00
L	F164	FORCE	GLOBAL	Z	0.00	0.00	0.14	-0.50
L	F164	FORCE	GLOBAL	Z	0.14	-0.50	0.86	-0.50
L	F164	FORCE	GLOBAL	Z	0.86	-0.50	1.00	0.00
L	F244	FORCE	GLOBAL	Z	0.00	0.00	0.14	-0.50
L	F244	FORCE	GLOBAL	Z	0.14	-0.50	0.86	-0.50
L	F244	FORCE	GLOBAL	Z	0.86	-0.50	1.00	0.00
L	F256	FORCE	GLOBAL	Z	0.00	0.00	0.14	-0.50
L	F256	FORCE	GLOBAL	Z	0.14	-0.50	0.86	-0.50
L	F256	FORCE	GLOBAL	Z	0.86	-0.50	1.00	0.00
L	F336	FORCE	GLOBAL	Z	0.00	0.00	0.14	-0.50
L	F336	FORCE	GLOBAL	Z	0.14	-0.50	0.86	-0.50
L	F336	FORCE	GLOBAL	Z	0.86	-0.50	1.00	0.00
L	F348	FORCE	GLOBAL	Z	0.00	0.00	0.14	-0.50
L	F348	FORCE	GLOBAL	Z	0.14	-0.50	0.86	-0.50
L	F348	FORCE	GLOBAL	Z	0.86	-0.50	1.00	0.00
L	F96	FORCE	GLOBAL	Z	0.29	0.00	0.64	-3.13
L	F96	FORCE	GLOBAL	Z	0.64	-3.13	1.00	0.00
L	F188	FORCE	GLOBAL	Z	0.29	0.00	0.64	-3.13
L	F188	FORCE	GLOBAL	Z	0.64	-3.13	1.00	0.00
L	F280	FORCE	GLOBAL	Z	0.29	0.00	0.64	-3.13
L	F280	FORCE	GLOBAL	Z	0.64	-3.13	1.00	0.00
L	F96	FORCE	GLOBAL	Z	0.00	0.00	0.14	-0.50
L	F96	FORCE	GLOBAL	Z	0.14	-0.50	0.86	-0.50
L	F96	FORCE	GLOBAL	Z	0.86	-0.50	1.00	0.00
L	F188	FORCE	GLOBAL	Z	0.00	0.00	0.14	-0.50
L	F188	FORCE	GLOBAL	Z	0.14	-0.50	0.86	-0.50
L	F188	FORCE	GLOBAL	Z	0.86	-0.50	1.00	0.00
L	F280	FORCE	GLOBAL	Z	0.00	0.00	0.14	-0.50
L	F280	FORCE	GLOBAL	Z	0.14	-0.50	0.86	-0.50
L	F280	FORCE	GLOBAL	Z	0.86	-0.50	1.00	0.00
L	F117	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F117	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F122	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F122	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F127	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F127	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F132	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F132	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F137	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F137	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F142	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

L	F142	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F149	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F149	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F141	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F141	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F136	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F136	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F131	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F131	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F126	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F126	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F121	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F121	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F116	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F116	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F209	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F209	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F214	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F214	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F219	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F219	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F224	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F224	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F229	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F229	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F234	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F234	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F241	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F241	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F233	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F233	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F228	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F228	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F223	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F223	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F218	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F218	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F213	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F213	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F208	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F208	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F301	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F301	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F306	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F306	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F311	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F311	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F316	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F316	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F321	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F321	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F326	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F326	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F333	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F333	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F325	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F325	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F320	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F320	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F315	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F315	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F310	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F310	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F305	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F305	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F300	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F300	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F117	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F117	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F117	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

L	F122	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F122	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F122	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F127	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F127	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F127	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F132	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F132	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F132	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F137	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F137	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F137	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F142	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F142	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F142	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F149	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F149	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F149	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F141	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F141	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F141	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F136	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F136	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F136	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F131	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F131	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F131	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F126	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F126	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F126	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F121	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F121	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F121	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F116	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F116	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F116	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F209	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F209	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F209	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F214	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F214	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F214	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F219	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F219	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F219	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F224	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F224	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F224	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F229	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F229	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F229	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F234	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F234	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F234	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F241	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F241	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F241	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F233	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F233	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F233	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F228	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F228	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F228	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F223	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F223	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F223	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F218	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F218	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F218	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F213	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

L	F213	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F213	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F208	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F208	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F208	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F301	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F301	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F301	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F306	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F306	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F306	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F311	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F311	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F311	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F316	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F316	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F316	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F321	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F321	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F321	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F326	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F326	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F326	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F333	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F333	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F333	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F325	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F325	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F325	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F320	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F320	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F320	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F315	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F315	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F315	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F310	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F310	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F310	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F305	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F305	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F305	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F300	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F300	FORCE	GLOBAL	Z	0.25	-2.19	0.75	-2.19
L	F300	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F394	FORCE	GLOBAL	Z	0.00	0.00	0.25	-0.88
L	F394	FORCE	GLOBAL	Z	0.25	-0.88	0.75	-0.88
L	F394	FORCE	GLOBAL	Z	0.75	-0.88	1.00	0.00
L	F398	FORCE	GLOBAL	Z	0.00	0.00	0.25	-0.88
L	F398	FORCE	GLOBAL	Z	0.25	-0.88	0.75	-0.88
L	F398	FORCE	GLOBAL	Z	0.75	-0.88	1.00	0.00
L	F402	FORCE	GLOBAL	Z	0.00	0.00	0.25	-0.88
L	F402	FORCE	GLOBAL	Z	0.25	-0.88	0.75	-0.88
L	F402	FORCE	GLOBAL	Z	0.75	-0.88	1.00	0.00
L	F406	FORCE	GLOBAL	Z	0.00	0.00	0.25	-0.88
L	F406	FORCE	GLOBAL	Z	0.25	-0.88	0.75	-0.88
L	F406	FORCE	GLOBAL	Z	0.75	-0.88	1.00	0.00
L	F410	FORCE	GLOBAL	Z	0.00	0.00	0.25	-0.88
L	F410	FORCE	GLOBAL	Z	0.25	-0.88	0.75	-0.88
L	F410	FORCE	GLOBAL	Z	0.75	-0.88	1.00	0.00
L	F414	FORCE	GLOBAL	Z	0.00	0.00	0.25	-0.88
L	F414	FORCE	GLOBAL	Z	0.25	-0.88	0.75	-0.88
L	F414	FORCE	GLOBAL	Z	0.75	-0.88	1.00	0.00
L	F421	FORCE	GLOBAL	Z	0.00	0.00	0.25	-0.88
L	F421	FORCE	GLOBAL	Z	0.25	-0.88	0.75	-0.88
L	F421	FORCE	GLOBAL	Z	0.75	-0.88	1.00	0.00
L	F413	FORCE	GLOBAL	Z	0.00	0.00	0.25	-0.88
L	F413	FORCE	GLOBAL	Z	0.25	-0.88	0.75	-0.88
L	F413	FORCE	GLOBAL	Z	0.75	-0.88	1.00	0.00
L	F409	FORCE	GLOBAL	Z	0.00	0.00	0.25	-0.88
L	F409	FORCE	GLOBAL	Z	0.25	-0.88	0.75	-0.88

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

L	F409	FORCE	GLOBAL	Z	0.75	-0.88	1.00	0.00
L	F405	FORCE	GLOBAL	Z	0.00	0.00	0.25	-0.88
L	F405	FORCE	GLOBAL	Z	0.25	-0.88	0.75	-0.88
L	F405	FORCE	GLOBAL	Z	0.75	-0.88	1.00	0.00
L	F401	FORCE	GLOBAL	Z	0.00	0.00	0.25	-0.88
L	F401	FORCE	GLOBAL	Z	0.25	-0.88	0.75	-0.88
L	F401	FORCE	GLOBAL	Z	0.75	-0.88	1.00	0.00
L	F397	FORCE	GLOBAL	Z	0.00	0.00	0.25	-0.88
L	F397	FORCE	GLOBAL	Z	0.25	-0.88	0.75	-0.88
L	F397	FORCE	GLOBAL	Z	0.75	-0.88	1.00	0.00
L	F393	FORCE	GLOBAL	Z	0.00	0.00	0.25	-0.88
L	F393	FORCE	GLOBAL	Z	0.25	-0.88	0.75	-0.88
L	F393	FORCE	GLOBAL	Z	0.75	-0.88	1.00	0.00
L	F173	FORCE	GLOBAL	Z	0.00	0.00	0.42	-2.19
L	F173	FORCE	GLOBAL	Z	0.42	-2.19	0.58	-2.19
L	F173	FORCE	GLOBAL	Z	0.58	-2.19	1.00	0.00
L	F265	FORCE	GLOBAL	Z	0.00	0.00	0.48	-2.50
L	F265	FORCE	GLOBAL	Z	0.48	-2.50	0.52	-2.50
L	F265	FORCE	GLOBAL	Z	0.52	-2.50	1.00	0.00
L	F357	FORCE	GLOBAL	Z	0.00	0.00	0.48	-2.50
L	F357	FORCE	GLOBAL	Z	0.48	-2.50	0.52	-2.50
L	F357	FORCE	GLOBAL	Z	0.52	-2.50	1.00	0.00
L	F446	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.05
L	F446	FORCE	GLOBAL	Z	0.50	-1.05	1.00	0.00
L	F95	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F95	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F94	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F94	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F187	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F187	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F186	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F186	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F279	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F279	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F278	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.36
L	F278	FORCE	GLOBAL	Z	0.50	-4.36	1.00	0.00
L	F95	FORCE	GLOBAL	Z	0.00	0.00	0.36	-3.13
L	F95	FORCE	GLOBAL	Z	0.36	-3.13	0.71	0.00
L	F187	FORCE	GLOBAL	Z	0.00	0.00	0.36	-3.13
L	F187	FORCE	GLOBAL	Z	0.36	-3.13	0.71	0.00
L	F279	FORCE	GLOBAL	Z	0.00	0.00	0.36	-3.13
L	F279	FORCE	GLOBAL	Z	0.36	-3.13	0.71	0.00
L	F371	FORCE	GLOBAL	Z	0.71	0.00	0.86	-15.00
L	F371	FORCE	GLOBAL	Z	0.86	-15.00	1.00	0.00
L	F103	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.25
L	F103	FORCE	GLOBAL	Z	0.14	-1.25	0.86	-1.25
L	F103	FORCE	GLOBAL	Z	0.86	-1.25	1.00	0.00
L	F104	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.25
L	F104	FORCE	GLOBAL	Z	0.14	-1.25	0.86	-1.25
L	F104	FORCE	GLOBAL	Z	0.86	-1.25	1.00	0.00
L	F195	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.25
L	F195	FORCE	GLOBAL	Z	0.14	-1.25	0.86	-1.25
L	F195	FORCE	GLOBAL	Z	0.86	-1.25	1.00	0.00
L	F196	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.25
L	F196	FORCE	GLOBAL	Z	0.14	-1.25	0.86	-1.25
L	F196	FORCE	GLOBAL	Z	0.86	-1.25	1.00	0.00
L	F287	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.25
L	F287	FORCE	GLOBAL	Z	0.14	-1.25	0.86	-1.25
L	F287	FORCE	GLOBAL	Z	0.86	-1.25	1.00	0.00
L	F288	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.25
L	F288	FORCE	GLOBAL	Z	0.14	-1.25	0.86	-1.25
L	F288	FORCE	GLOBAL	Z	0.86	-1.25	1.00	0.00
L	F380	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.25
L	F380	FORCE	GLOBAL	Z	0.14	-1.25	0.86	-1.25
L	F380	FORCE	GLOBAL	Z	0.86	-1.25	1.00	0.00
L	F381	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.25
L	F381	FORCE	GLOBAL	Z	0.14	-1.25	0.86	-1.25
L	F381	FORCE	GLOBAL	Z	0.86	-1.25	1.00	0.00
L	F151	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.38
L	F151	FORCE	GLOBAL	Z	0.50	-4.38	1.00	0.00

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

L	F243	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.38
L	F243	FORCE	GLOBAL	Z	0.50	-4.38	1.00	0.00
L	F335	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.38
L	F335	FORCE	GLOBAL	Z	0.50	-4.38	1.00	0.00
L	F163	FORCE	GLOBAL	Z	0.00	0.00	0.23	-2.05
L	F163	FORCE	GLOBAL	Z	0.23	-2.05	0.47	0.00
L	F163	FORCE	GLOBAL	Z	0.47	0.00	0.73	-2.33
L	F163	FORCE	GLOBAL	Z	0.73	-2.33	1.00	0.00
L	F172	FORCE	GLOBAL	Z	0.00	0.00	0.33	-1.75
L	F172	FORCE	GLOBAL	Z	0.33	-1.75	0.67	-1.75
L	F172	FORCE	GLOBAL	Z	0.67	-1.75	1.00	0.00
L	F255	FORCE	GLOBAL	Z	0.00	0.00	0.36	-3.13
L	F255	FORCE	GLOBAL	Z	0.36	-3.13	0.71	0.00
L	F347	FORCE	GLOBAL	Z	0.00	0.00	0.36	-3.13
L	F347	FORCE	GLOBAL	Z	0.36	-3.13	0.71	0.00
L	F255	FORCE	GLOBAL	Z	0.71	0.00	0.86	-1.25
L	F255	FORCE	GLOBAL	Z	0.86	-1.25	1.00	0.00
L	F347	FORCE	GLOBAL	Z	0.71	0.00	0.86	-1.25
L	F347	FORCE	GLOBAL	Z	0.86	-1.25	1.00	0.00
L	F264	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.63
L	F264	FORCE	GLOBAL	Z	0.50	-2.63	1.00	0.00
L	F356	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.63
L	F356	FORCE	GLOBAL	Z	0.50	-2.63	1.00	0.00
L	F94	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F94	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F94	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F103	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F103	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F103	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F93	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F93	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F93	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F102	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F102	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F102	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F151	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F151	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F151	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F163	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F163	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F163	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F150	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F150	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F150	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F162	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F162	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F162	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F186	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F186	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F186	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F195	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F195	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F195	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F185	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F185	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F185	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F194	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F194	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F194	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F243	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F243	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F243	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F255	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F255	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F255	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F242	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F242	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F242	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F254	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F254	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

L	F254	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F278	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F278	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F278	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F287	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F287	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F287	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F277	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F277	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F277	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F286	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F286	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F286	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F335	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F335	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F335	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F347	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F347	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F347	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F334	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F334	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F334	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F346	FORCE	GLOBAL	Z	0.00	0.00	0.33	-2.88
L	F346	FORCE	GLOBAL	Z	0.33	-2.88	0.67	-2.88
L	F346	FORCE	GLOBAL	Z	0.67	-2.88	1.00	0.00
L	F380	FORCE	GLOBAL	Z	0.00	0.00	0.33	-17.25
L	F380	FORCE	GLOBAL	Z	0.33	-17.25	0.67	-17.25
L	F380	FORCE	GLOBAL	Z	0.67	-17.25	1.00	0.00
L	F379	FORCE	GLOBAL	Z	0.00	0.00	0.33	-17.25
L	F379	FORCE	GLOBAL	Z	0.33	-17.25	0.67	-17.25
L	F379	FORCE	GLOBAL	Z	0.67	-17.25	1.00	0.00
L	F102	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.38
L	F102	FORCE	GLOBAL	Z	0.50	-4.38	1.00	0.00
L	F150	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.38
L	F150	FORCE	GLOBAL	Z	0.50	-4.38	1.00	0.00
L	F194	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.38
L	F194	FORCE	GLOBAL	Z	0.50	-4.38	1.00	0.00
L	F286	FORCE	GLOBAL	Z	0.00	0.00	0.50	-4.38
L	F286	FORCE	GLOBAL	Z	0.50	-4.38	1.00	0.00
L	F162	FORCE	GLOBAL	Z	0.00	0.00	0.23	-2.05
L	F162	FORCE	GLOBAL	Z	0.23	-2.05	0.47	0.00
L	F162	FORCE	GLOBAL	Z	0.47	0.00	0.73	-2.33
L	F162	FORCE	GLOBAL	Z	0.73	-2.33	1.00	0.00
L	F171	FORCE	GLOBAL	Z	0.00	0.00	0.33	-1.75
L	F171	FORCE	GLOBAL	Z	0.33	-1.75	0.67	-1.75
L	F171	FORCE	GLOBAL	Z	0.67	-1.75	1.00	0.00
L	F263	FORCE	GLOBAL	Z	0.00	0.00	0.33	-1.75
L	F263	FORCE	GLOBAL	Z	0.33	-1.75	0.67	-1.75
L	F263	FORCE	GLOBAL	Z	0.67	-1.75	1.00	0.00
L	F355	FORCE	GLOBAL	Z	0.00	0.00	0.33	-1.75
L	F355	FORCE	GLOBAL	Z	0.33	-1.75	0.67	-1.75
L	F355	FORCE	GLOBAL	Z	0.67	-1.75	1.00	0.00
L	F242	FORCE	GLOBAL	Z	0.50	0.00	0.75	-2.19
L	F242	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F334	FORCE	GLOBAL	Z	0.50	0.00	0.75	-2.19
L	F334	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F254	FORCE	GLOBAL	Z	0.00	0.00	0.23	-2.05
L	F254	FORCE	GLOBAL	Z	0.23	-2.05	0.47	0.00
L	F346	FORCE	GLOBAL	Z	0.00	0.00	0.23	-2.05
L	F346	FORCE	GLOBAL	Z	0.23	-2.05	0.47	0.00
L	F254	FORCE	GLOBAL	Z	0.47	0.00	0.68	-1.88
L	F254	FORCE	GLOBAL	Z	0.68	-1.88	0.79	-1.88
L	F254	FORCE	GLOBAL	Z	0.79	-1.88	1.00	0.00
L	F346	FORCE	GLOBAL	Z	0.47	0.00	0.68	-1.88
L	F346	FORCE	GLOBAL	Z	0.68	-1.88	0.79	-1.88
L	F346	FORCE	GLOBAL	Z	0.79	-1.88	1.00	0.00
L	F444	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.05
L	F444	FORCE	GLOBAL	Z	0.50	-1.05	1.00	0.00
L	F161	FORCE	GLOBAL	Z	0.00	0.00	0.27	-2.33
L	F161	FORCE	GLOBAL	Z	0.27	-2.33	0.53	0.00

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

L	F253	FORCE	GLOBAL	Z	0.00	0.00	0.27	-2.33
L	F253	FORCE	GLOBAL	Z	0.27	-2.33	0.53	0.00
L	F345	FORCE	GLOBAL	Z	0.00	0.00	0.27	-2.33
L	F345	FORCE	GLOBAL	Z	0.27	-2.33	0.53	0.00
L	F161	FORCE	GLOBAL	Z	0.53	0.00	0.77	-2.05
L	F161	FORCE	GLOBAL	Z	0.77	-2.05	1.00	0.00
L	F253	FORCE	GLOBAL	Z	0.53	0.00	0.77	-2.05
L	F253	FORCE	GLOBAL	Z	0.77	-2.05	1.00	0.00
L	F345	FORCE	GLOBAL	Z	0.53	0.00	0.77	-2.05
L	F345	FORCE	GLOBAL	Z	0.77	-2.05	1.00	0.00
L	F170	FORCE	GLOBAL	Z	0.00	0.00	0.42	-2.19
L	F170	FORCE	GLOBAL	Z	0.42	-2.19	0.58	-2.19
L	F170	FORCE	GLOBAL	Z	0.58	-2.19	1.00	0.00
L	F262	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.50
L	F262	FORCE	GLOBAL	Z	0.50	-2.50	1.00	0.00
L	F354	FORCE	GLOBAL	Z	0.00	0.00	0.50	-2.50
L	F354	FORCE	GLOBAL	Z	0.50	-2.50	1.00	0.00
L	F160	FORCE	GLOBAL	Z	0.00	0.00	0.20	-1.75
L	F160	FORCE	GLOBAL	Z	0.20	-1.75	0.33	-1.75
L	F160	FORCE	GLOBAL	Z	0.33	-1.75	0.53	0.00
L	F161	FORCE	GLOBAL	Z	0.00	0.00	0.20	-1.75
L	F161	FORCE	GLOBAL	Z	0.20	-1.75	0.33	-1.75
L	F161	FORCE	GLOBAL	Z	0.33	-1.75	0.53	0.00
L	F252	FORCE	GLOBAL	Z	0.00	0.00	0.20	-1.75
L	F252	FORCE	GLOBAL	Z	0.20	-1.75	0.33	-1.75
L	F252	FORCE	GLOBAL	Z	0.33	-1.75	0.53	0.00
L	F253	FORCE	GLOBAL	Z	0.00	0.00	0.20	-1.75
L	F253	FORCE	GLOBAL	Z	0.20	-1.75	0.33	-1.75
L	F253	FORCE	GLOBAL	Z	0.33	-1.75	0.53	0.00
L	F344	FORCE	GLOBAL	Z	0.00	0.00	0.20	-1.75
L	F344	FORCE	GLOBAL	Z	0.20	-1.75	0.33	-1.75
L	F344	FORCE	GLOBAL	Z	0.33	-1.75	0.53	0.00
L	F345	FORCE	GLOBAL	Z	0.00	0.00	0.20	-1.75
L	F345	FORCE	GLOBAL	Z	0.20	-1.75	0.33	-1.75
L	F345	FORCE	GLOBAL	Z	0.33	-1.75	0.53	0.00
L	F160	FORCE	GLOBAL	Z	0.53	0.00	0.73	-1.75
L	F160	FORCE	GLOBAL	Z	0.73	-1.75	0.80	-1.75
L	F160	FORCE	GLOBAL	Z	0.80	-1.75	1.00	0.00
L	F161	FORCE	GLOBAL	Z	0.53	0.00	0.73	-1.75
L	F161	FORCE	GLOBAL	Z	0.73	-1.75	0.80	-1.75
L	F161	FORCE	GLOBAL	Z	0.80	-1.75	1.00	0.00
L	F252	FORCE	GLOBAL	Z	0.53	0.00	0.73	-1.75
L	F252	FORCE	GLOBAL	Z	0.73	-1.75	0.80	-1.75
L	F252	FORCE	GLOBAL	Z	0.80	-1.75	1.00	0.00
L	F253	FORCE	GLOBAL	Z	0.53	0.00	0.73	-1.75
L	F253	FORCE	GLOBAL	Z	0.73	-1.75	0.80	-1.75
L	F253	FORCE	GLOBAL	Z	0.80	-1.75	1.00	0.00
L	F344	FORCE	GLOBAL	Z	0.53	0.00	0.73	-1.75
L	F344	FORCE	GLOBAL	Z	0.73	-1.75	0.80	-1.75
L	F344	FORCE	GLOBAL	Z	0.80	-1.75	1.00	0.00
L	F345	FORCE	GLOBAL	Z	0.53	0.00	0.73	-1.75
L	F345	FORCE	GLOBAL	Z	0.73	-1.75	0.80	-1.75
L	F345	FORCE	GLOBAL	Z	0.80	-1.75	1.00	0.00
L	F170	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
L	F262	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
L	F354	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
L	F92	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F92	FORCE	GLOBAL	Z	0.25	-2.19	0.50	0.00
L	F184	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F184	FORCE	GLOBAL	Z	0.25	-2.19	0.50	0.00
L	F276	FORCE	GLOBAL	Z	0.00	0.00	0.25	-2.19
L	F276	FORCE	GLOBAL	Z	0.25	-2.19	0.50	0.00
L	F92	FORCE	GLOBAL	Z	0.50	0.00	0.75	-2.19
L	F92	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F184	FORCE	GLOBAL	Z	0.50	0.00	0.75	-2.19
L	F184	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F276	FORCE	GLOBAL	Z	0.50	0.00	0.75	-2.19
L	F276	FORCE	GLOBAL	Z	0.75	-2.19	1.00	0.00
L	F101	FORCE	GLOBAL	Z	0.00	0.00	0.43	-3.75
L	F101	FORCE	GLOBAL	Z	0.43	-3.75	0.57	-3.75

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

L	F101	FORCE	GLOBAL	Z	0.57	-3.75	1.00	0.00
L	F193	FORCE	GLOBAL	Z	0.00	0.00	0.43	-3.75
L	F193	FORCE	GLOBAL	Z	0.43	-3.75	0.57	-3.75
L	F193	FORCE	GLOBAL	Z	0.57	-3.75	1.00	0.00
L	F285	FORCE	GLOBAL	Z	0.00	0.00	0.43	-3.75
L	F285	FORCE	GLOBAL	Z	0.43	-3.75	0.57	-3.75
L	F285	FORCE	GLOBAL	Z	0.57	-3.75	1.00	0.00
L	F160	FORCE	GLOBAL	Z	0.53	0.00	0.77	-2.05
L	F160	FORCE	GLOBAL	Z	0.77	-2.05	1.00	0.00
L	F252	FORCE	GLOBAL	Z	0.53	0.00	0.77	-2.05
L	F252	FORCE	GLOBAL	Z	0.77	-2.05	1.00	0.00
L	F344	FORCE	GLOBAL	Z	0.53	0.00	0.77	-2.05
L	F344	FORCE	GLOBAL	Z	0.77	-2.05	1.00	0.00
L	F378	FORCE	GLOBAL	Z	0.00	0.00	0.43	-22.50
L	F378	FORCE	GLOBAL	Z	0.43	-22.50	0.57	-22.50
L	F378	FORCE	GLOBAL	Z	0.57	-22.50	1.00	0.00
L	F448	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.64
L	F448	FORCE	GLOBAL	Z	0.50	-1.64	1.00	0.00
L	F432	FORCE	GLOBAL	Z	0.00	0.00	0.48	-1.64
L	F432	FORCE	GLOBAL	Z	0.48	-1.64	0.52	-1.64
L	F432	FORCE	GLOBAL	Z	0.52	-1.64	1.00	0.00
L	F431	FORCE	GLOBAL	Z	0.00	0.00	0.48	-1.64
L	F431	FORCE	GLOBAL	Z	0.48	-1.64	0.52	-1.64
L	F431	FORCE	GLOBAL	Z	0.52	-1.64	1.00	0.00
L	F447	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.64
L	F447	FORCE	GLOBAL	Z	0.50	-1.64	1.00	0.00
L	F443	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.05
L	F443	FORCE	GLOBAL	Z	0.50	-1.05	1.00	0.00
L	F445	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.05
L	F445	FORCE	GLOBAL	Z	0.50	-1.05	1.00	0.00
L	F99	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.25
L	F99	FORCE	GLOBAL	Z	0.50	-1.25	1.00	0.00
L	F99	FORCE	GLOBAL	Z	0.00	0.00	1.00	-2.50
L	F100	FORCE	GLOBAL	Z	0.00	-2.50	0.26	-4.38
L	F100	FORCE	GLOBAL	Z	0.26	-4.38	0.40	-4.38
L	F100	FORCE	GLOBAL	Z	0.40	-4.38	1.00	0.00
L	F191	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.25
L	F191	FORCE	GLOBAL	Z	0.50	-1.25	1.00	0.00
L	F191	FORCE	GLOBAL	Z	0.00	0.00	1.00	-2.50
L	F192	FORCE	GLOBAL	Z	0.00	-2.50	0.26	-4.38
L	F192	FORCE	GLOBAL	Z	0.26	-4.38	0.40	-4.38
L	F192	FORCE	GLOBAL	Z	0.40	-4.38	1.00	0.00
L	F283	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.25
L	F283	FORCE	GLOBAL	Z	0.50	-1.25	1.00	0.00
L	F283	FORCE	GLOBAL	Z	0.00	0.00	1.00	-2.50
L	F284	FORCE	GLOBAL	Z	0.00	-2.50	0.26	-4.38
L	F284	FORCE	GLOBAL	Z	0.26	-4.38	0.40	-4.38
L	F284	FORCE	GLOBAL	Z	0.40	-4.38	1.00	0.00
L	F375	FORCE	GLOBAL	Z	0.00	0.00	0.50	-7.50
L	F375	FORCE	GLOBAL	Z	0.50	-7.50	1.00	-7.50
L	F376	FORCE	GLOBAL	Z	0.00	-7.50	0.83	-7.50
L	F376	FORCE	GLOBAL	Z	0.83	-7.50	1.00	0.00
L	F375	FORCE	GLOBAL	Z	0.00	0.00	0.50	-7.50
L	F375	FORCE	GLOBAL	Z	0.50	-7.50	1.00	0.00
L	F374	FORCE	GLOBAL	Z	0.00	0.00	0.50	-17.25
L	F374	FORCE	GLOBAL	Z	0.50	-17.25	1.00	0.00
L	F373	FORCE	GLOBAL	Z	0.00	0.00	0.22	-22.50
L	F373	FORCE	GLOBAL	Z	0.22	-22.50	0.43	0.00
L	F373	FORCE	GLOBAL	Z	0.43	0.00	0.69	-26.25
L	F373	FORCE	GLOBAL	Z	0.69	-26.25	0.75	-25.25
L	F373	FORCE	GLOBAL	Z	0.75	-25.25	1.00	0.00
L	F387	FORCE	GLOBAL	Z	0.00	0.00	0.50	-17.25
L	F387	FORCE	GLOBAL	Z	0.50	-17.25	1.00	0.00
L	F425	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.69
L	F425	FORCE	GLOBAL	Z	0.50	-1.69	1.00	0.00
L	F450	FORCE	GLOBAL	Z	0.00	0.00	0.19	-1.05
L	F450	FORCE	GLOBAL	Z	0.19	-1.05	0.81	-1.05
L	F450	FORCE	GLOBAL	Z	0.81	-1.05	1.00	0.00
L	F449	FORCE	GLOBAL	Z	0.00	0.00	0.19	-1.05
L	F449	FORCE	GLOBAL	Z	0.19	-1.05	0.81	-1.05

FrameDistLoads (kN·m)

by. Arif Rahman-Kurniawan

L	F449	FORCE	GLOBAL	Z	0.81	-1.05	1.00	0.00
L	F441	FORCE	GLOBAL	Z	0.00	0.00	0.19	-1.05
L	F441	FORCE	GLOBAL	Z	0.19	-1.05	0.81	-1.05
L	F441	FORCE	GLOBAL	Z	0.81	-1.05	1.00	0.00
L	F439	FORCE	GLOBAL	Z	0.00	0.00	0.19	-1.05
L	F439	FORCE	GLOBAL	Z	0.19	-1.05	0.81	-1.05
L	F439	FORCE	GLOBAL	Z	0.81	-1.05	1.00	0.00
L	F440	FORCE	GLOBAL	Z	0.00	0.00	0.43	-1.00
L	F440	FORCE	GLOBAL	Z	0.43	-1.00	0.57	-1.00
L	F440	FORCE	GLOBAL	Z	0.57	-1.00	1.00	0.00
L	F437	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.75
L	F437	FORCE	GLOBAL	Z	0.50	-1.75	1.00	0.00
L	F437	FORCE	GLOBAL	Z	0.00	0.00	0.49	-1.65
L	F437	FORCE	GLOBAL	Z	0.49	-1.65	0.51	-1.65
L	F437	FORCE	GLOBAL	Z	0.51	-1.65	1.00	0.00
L	F451	FORCE	GLOBAL	Z	0.00	0.00	0.49	-1.65
L	F451	FORCE	GLOBAL	Z	0.49	-1.65	0.51	-1.65
L	F451	FORCE	GLOBAL	Z	0.51	-1.65	1.00	0.00
L	F146	FORCE	GLOBAL	Z	0.00	0.00	0.30	-4.38
L	F146	FORCE	GLOBAL	Z	0.30	-4.38	0.70	-4.38
L	F146	FORCE	GLOBAL	Z	0.70	-4.38	1.00	0.00
L	F147	FORCE	GLOBAL	Z	0.00	-1.88	0.13	-2.19
L	F147	FORCE	GLOBAL	Z	0.13	-2.19	1.00	0.00
L	F147	FORCE	GLOBAL	Z	0.00	0.00	1.00	-2.50
L	F146	FORCE	GLOBAL	Z	0.00	-2.50	0.13	-4.38
L	F146	FORCE	GLOBAL	Z	0.13	-4.38	0.42	0.00
L	F146	FORCE	GLOBAL	Z	0.42	0.00	0.71	-4.25
L	F146	FORCE	GLOBAL	Z	0.71	-4.25	1.00	0.00
L	F168	FORCE	GLOBAL	Z	0.25	0.00	0.38	-1.75
L	F168	FORCE	GLOBAL	Z	0.38	-1.75	0.50	0.00
L	F168	FORCE	GLOBAL	Z	0.00	0.00	0.13	-1.75
L	F168	FORCE	GLOBAL	Z	0.50	0.00	0.63	-1.75
L	F168	FORCE	GLOBAL	Z	0.63	-1.75	0.75	0.00
L	F168	FORCE	GLOBAL	Z	0.75	0.00	0.88	-1.75
L	F168	FORCE	GLOBAL	Z	0.88	-1.75	1.00	0.00
L	F169	FORCE	GLOBAL	Z	0.00	0.00	1.00	-3.50
L	F168	FORCE	GLOBAL	Z	0.00	-3.50	0.05	-4.25
L	F168	FORCE	GLOBAL	Z	0.05	-4.25	0.36	0.00
L	F168	FORCE	GLOBAL	Z	0.36	0.00	0.51	-2.05
L	F168	FORCE	GLOBAL	Z	0.51	-2.05	0.85	-2.05
L	F168	FORCE	GLOBAL	Z	0.85	-2.05	1.00	0.00
L	F166	FORCE	GLOBAL	Z	0.25	0.00	0.38	-1.75
L	F166	FORCE	GLOBAL	Z	0.38	-1.75	0.50	0.00
L	F166	FORCE	GLOBAL	Z	0.00	0.00	0.13	-1.75
L	F166	FORCE	GLOBAL	Z	0.50	0.00	0.63	-1.75
L	F166	FORCE	GLOBAL	Z	0.63	-1.75	0.75	0.00
L	F166	FORCE	GLOBAL	Z	0.75	0.00	0.88	-1.75
L	F166	FORCE	GLOBAL	Z	0.88	-1.75	1.00	0.00
L	F165	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.75
L	F165	FORCE	GLOBAL	Z	0.50	-1.75	1.00	0.00
L	F166	FORCE	GLOBAL	Z	0.00	0.00	0.15	-2.05
L	F166	FORCE	GLOBAL	Z	0.15	-2.05	0.49	-2.05
L	F166	FORCE	GLOBAL	Z	0.49	-2.05	0.64	0.00
L	F166	FORCE	GLOBAL	Z	0.64	0.00	0.95	-4.25
L	F166	FORCE	GLOBAL	Z	0.95	-4.25	1.00	-3.50
L	F165	FORCE	GLOBAL	Z	0.00	-3.50	1.00	0.00
L	F88	FORCE	GLOBAL	Z	0.00	0.00	0.32	-3.13
L	F88	FORCE	GLOBAL	Z	0.32	-3.13	0.64	0.00
L	F88	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
L	F87	FORCE	GLOBAL	Z	0.33	0.00	0.63	-2.20
L	F87	FORCE	GLOBAL	Z	0.63	-2.20	0.71	-2.20
L	F87	FORCE	GLOBAL	Z	0.71	-2.20	1.00	0.00
L	F88	FORCE	GLOBAL	Z	0.64	0.00	0.87	-2.20
L	F88	FORCE	GLOBAL	Z	0.87	-2.20	1.00	-2.20
L	F87	FORCE	GLOBAL	Z	0.00	-2.20	0.04	-2.20
L	F87	FORCE	GLOBAL	Z	0.04	-2.20	0.33	0.00
L	F260	FORCE	GLOBAL	Z	0.00	0.00	0.18	-2.50
L	F260	FORCE	GLOBAL	Z	0.18	-2.50	0.36	0.00
L	F260	FORCE	GLOBAL	Z	0.36	0.00	0.55	-2.63
L	F260	FORCE	GLOBAL	Z	0.55	-2.63	0.81	-2.63

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

L	F260	FORCE	GLOBAL	Z	0.81	-2.63	1.00	0.00
L	F261	FORCE	GLOBAL	Z	0.00	0.00	1.00	-3.50
L	F260	FORCE	GLOBAL	Z	0.00	-3.50	0.05	-4.25
L	F260	FORCE	GLOBAL	Z	0.05	-4.25	0.36	0.00
L	F260	FORCE	GLOBAL	Z	0.36	0.00	0.49	-1.25
L	F260	FORCE	GLOBAL	Z	0.49	-1.25	0.91	-1.25
L	F260	FORCE	GLOBAL	Z	0.91	-1.25	1.00	0.00
L	F258	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.75
L	F258	FORCE	GLOBAL	Z	0.14	-1.75	0.27	0.00
L	F258	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.75
L	F258	FORCE	GLOBAL	Z	0.14	-1.75	0.27	0.00
L	F258	FORCE	GLOBAL	Z	0.27	0.00	0.41	-1.75
L	F258	FORCE	GLOBAL	Z	0.41	-1.75	0.55	0.00
L	F258	FORCE	GLOBAL	Z	0.27	0.00	0.41	-1.75
L	F258	FORCE	GLOBAL	Z	0.41	-1.75	0.55	0.00
L	F258	FORCE	GLOBAL	Z	0.55	0.00	0.74	-2.63
L	F258	FORCE	GLOBAL	Z	0.74	-2.63	0.81	-2.63
L	F258	FORCE	GLOBAL	Z	0.81	-2.63	1.00	0.00
L	F258	FORCE	GLOBAL	Z	0.55	0.00	0.71	-2.33
L	F258	FORCE	GLOBAL	Z	0.71	-2.33	0.83	-2.33
L	F258	FORCE	GLOBAL	Z	0.83	-2.33	1.00	0.00
L	F257	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.75
L	F257	FORCE	GLOBAL	Z	0.50	-1.75	1.00	0.00
L	F258	FORCE	GLOBAL	Z	0.00	0.00	0.09	-1.25
L	F258	FORCE	GLOBAL	Z	0.09	-1.25	0.55	-1.25
L	F258	FORCE	GLOBAL	Z	0.55	-1.25	0.64	0.00
L	F258	FORCE	GLOBAL	Z	0.64	0.00	0.95	-4.25
L	F258	FORCE	GLOBAL	Z	0.95	-4.25	1.00	-3.50
L	F257	FORCE	GLOBAL	Z	0.00	-3.50	1.00	0.00
L	F180	FORCE	GLOBAL	Z	0.00	0.00	0.32	-3.13
L	F180	FORCE	GLOBAL	Z	0.32	-3.13	0.64	0.00
L	F180	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
L	F179	FORCE	GLOBAL	Z	0.33	0.00	0.63	-2.20
L	F179	FORCE	GLOBAL	Z	0.63	-2.20	0.71	-2.20
L	F179	FORCE	GLOBAL	Z	0.71	-2.20	1.00	0.00
L	F180	FORCE	GLOBAL	Z	0.64	0.00	0.87	-2.20
L	F180	FORCE	GLOBAL	Z	0.87	-2.20	1.00	-2.20
L	F179	FORCE	GLOBAL	Z	0.00	-2.20	0.04	-2.20
L	F179	FORCE	GLOBAL	Z	0.04	-2.20	0.33	0.00
L	F352	FORCE	GLOBAL	Z	0.00	0.00	0.18	-2.50
L	F352	FORCE	GLOBAL	Z	0.18	-2.50	0.36	0.00
L	F352	FORCE	GLOBAL	Z	0.36	0.00	0.55	-2.63
L	F352	FORCE	GLOBAL	Z	0.55	-2.63	0.81	-2.63
L	F352	FORCE	GLOBAL	Z	0.81	-2.63	1.00	0.00
L	F353	FORCE	GLOBAL	Z	0.00	0.00	1.00	-3.50
L	F352	FORCE	GLOBAL	Z	0.00	-3.50	0.05	-4.25
L	F352	FORCE	GLOBAL	Z	0.05	-4.25	0.36	0.00
L	F352	FORCE	GLOBAL	Z	0.36	0.00	0.49	-1.25
L	F352	FORCE	GLOBAL	Z	0.49	-1.25	0.91	-1.25
L	F352	FORCE	GLOBAL	Z	0.91	-1.25	1.00	0.00
L	F350	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.75
L	F350	FORCE	GLOBAL	Z	0.14	-1.75	0.27	0.00
L	F350	FORCE	GLOBAL	Z	0.00	0.00	0.14	-1.75
L	F350	FORCE	GLOBAL	Z	0.14	-1.75	0.27	0.00
L	F350	FORCE	GLOBAL	Z	0.27	0.00	0.41	-1.75
L	F350	FORCE	GLOBAL	Z	0.41	-1.75	0.55	0.00
L	F350	FORCE	GLOBAL	Z	0.27	0.00	0.41	-1.75
L	F350	FORCE	GLOBAL	Z	0.41	-1.75	0.55	0.00
L	F350	FORCE	GLOBAL	Z	0.55	0.00	0.74	-2.63
L	F350	FORCE	GLOBAL	Z	0.74	-2.63	0.81	-2.63
L	F350	FORCE	GLOBAL	Z	0.81	-2.63	1.00	0.00
L	F350	FORCE	GLOBAL	Z	0.55	0.00	0.71	-2.33
L	F350	FORCE	GLOBAL	Z	0.71	-2.33	0.83	-2.33
L	F350	FORCE	GLOBAL	Z	0.83	-2.33	1.00	0.00
L	F349	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.75
L	F349	FORCE	GLOBAL	Z	0.50	-1.75	1.00	0.00
L	F350	FORCE	GLOBAL	Z	0.00	0.00	0.09	-1.25
L	F350	FORCE	GLOBAL	Z	0.09	-1.25	0.55	-1.25
L	F350	FORCE	GLOBAL	Z	0.55	-1.25	0.64	0.00
L	F350	FORCE	GLOBAL	Z	0.64	0.00	0.95	-4.25

FrameDistLoads (kN-m)

by. Arif Rahman-Kurniawan

L	F350	FORCE	GLOBAL	Z	0.95	-4.25	1.00	-3.50
L	F349	FORCE	GLOBAL	Z	0.00	-3.50	1.00	0.00
L	F272	FORCE	GLOBAL	Z	0.00	0.00	0.32	-3.13
L	F272	FORCE	GLOBAL	Z	0.32	-3.13	0.64	0.00
L	F272	FORCE	GLOBAL	Z	0.00	-8.75	1.00	-8.75
L	F271	FORCE	GLOBAL	Z	0.33	0.00	0.63	-2.20
L	F271	FORCE	GLOBAL	Z	0.63	-2.20	0.71	-2.20
L	F271	FORCE	GLOBAL	Z	0.71	-2.20	1.00	0.00
L	F272	FORCE	GLOBAL	Z	0.64	0.00	0.87	-2.20
L	F272	FORCE	GLOBAL	Z	0.87	-2.20	1.00	-2.20
L	F271	FORCE	GLOBAL	Z	0.00	-2.20	0.04	-2.20
L	F271	FORCE	GLOBAL	Z	0.04	-2.20	0.33	0.00
L	F420	FORCE	GLOBAL	Z	0.00	0.00	1.00	-1.88
L	F419	FORCE	GLOBAL	Z	0.00	-1.88	0.13	-2.19
L	F419	FORCE	GLOBAL	Z	0.13	-2.19	1.00	0.00
L	F385	FORCE	GLOBAL	Z	0.00	0.00	1.00	-15.00
L	F386	FORCE	GLOBAL	Z	0.00	-15.00	0.08	-22.50
L	F386	FORCE	GLOBAL	Z	0.08	-22.50	0.34	0.00
L	F386	FORCE	GLOBAL	Z	0.34	0.00	0.64	-26.25
L	F386	FORCE	GLOBAL	Z	0.64	-26.25	0.70	-25.25
L	F386	FORCE	GLOBAL	Z	0.70	-25.25	1.00	0.00
L	F203	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.45
L	F203	FORCE	GLOBAL	Z	0.50	-1.45	1.00	0.00
L	F204	FORCE	GLOBAL	Z	0.34	0.00	0.95	-4.38
L	F204	FORCE	GLOBAL	Z	0.95	-4.38	1.00	-4.38
L	F203	FORCE	GLOBAL	Z	0.00	0.00	0.88	-2.19
L	F203	FORCE	GLOBAL	Z	0.88	-2.19	1.00	-2.19
L	F204	FORCE	GLOBAL	Z	0.00	-2.19	0.04	-2.19
L	F204	FORCE	GLOBAL	Z	0.04	-2.19	0.34	0.00
L	F295	FORCE	GLOBAL	Z	0.00	0.00	0.50	-1.45
L	F295	FORCE	GLOBAL	Z	0.50	-1.45	1.00	0.00
L	F296	FORCE	GLOBAL	Z	0.34	0.00	0.95	-4.38
L	F296	FORCE	GLOBAL	Z	0.95	-4.38	1.00	-4.38
L	F295	FORCE	GLOBAL	Z	0.00	0.00	0.88	-2.19
L	F295	FORCE	GLOBAL	Z	0.88	-2.19	1.00	-2.19
L	F296	FORCE	GLOBAL	Z	0.00	-2.19	0.04	-2.19
L	F296	FORCE	GLOBAL	Z	0.04	-2.19	0.34	0.00
L	F155	FORCE	GLOBAL	Z	0.00	0.00	1.00	-1.00
L	F154	FORCE	GLOBAL	Z	0.13	-2.19	1.00	0.00
L	F154	FORCE	GLOBAL	Z	0.00	-1.88	0.13	-2.19
L	F154	FORCE	GLOBAL	Z	0.00	0.00	0.70	-1.75
L	F154	FORCE	GLOBAL	Z	0.70	-1.75	1.00	-1.00
L	F155	FORCE	GLOBAL	Z	0.00	-1.00	1.00	0.00
L	F247	FORCE	GLOBAL	Z	0.00	0.00	1.00	-1.00
L	F246	FORCE	GLOBAL	Z	0.13	-2.19	1.00	0.00
L	F246	FORCE	GLOBAL	Z	0.00	-1.88	0.13	-2.19
L	F246	FORCE	GLOBAL	Z	0.00	0.00	0.70	-1.75
L	F246	FORCE	GLOBAL	Z	0.70	-1.75	1.00	-1.00
L	F247	FORCE	GLOBAL	Z	0.00	-1.00	1.00	0.00
L	F339	FORCE	GLOBAL	Z	0.00	0.00	1.00	-1.00
L	F338	FORCE	GLOBAL	Z	0.13	-2.19	1.00	0.00
L	F338	FORCE	GLOBAL	Z	0.00	-1.88	0.13	-2.19
L	F338	FORCE	GLOBAL	Z	0.00	0.00	0.70	-1.75
L	F338	FORCE	GLOBAL	Z	0.70	-1.75	1.00	-1.00
L	F339	FORCE	GLOBAL	Z	0.00	-1.00	1.00	0.00

Materials

SECTION	MATERIAL	SHAPE	T3	T2	TF	TW	T2_B OT	TF_B OT	AREA	J	I33	I22	A2	A3	S33	S22	Z33	Z22	R33	R22
K80X40	BETON	R	0.4	0.8	0	0	0	0	0.32	0.01	0	0.02	0.27	0.27	0.02	0.04	0.03	0.06	0.12	0.23
B25X50	BETON	R	0.5	0.3	0	0	0	0	0.125	0	0	0	0.1	0.1	0.01	0.01	0.02	0.01	0.14	0.07
B35X80	BETON	R	0.8	0.3	0	0	0	0	0.28	0.01	0.01	0	0.23	0.23	0.04	0.02	0.06	0.02	0.23	0.1
B20X40	BETON	R	0.4	0.2	0	0	0	0	0.08	0	0	0	0.07	0.07	0.01	0	0.01	0	0.12	0.06
K60X40	BETON	R	0.4	0.6	0	0	0	0	0.24	0.01	0	0.01	0.2	0.2	0.02	0.02	0.02	0.04	0.12	0.17
K40X40	BETON	R	0.4	0.4	0	0	0	0	0.16	0	0	0	0.13	0.13	0.01	0.01	0.02	0.02	0.12	0.12

MATERIAL	E	U	A	WEIGHT	MASS	DESIGN	STEEL_F Y	FC	REBAR_ FY	FCS	FYS
STEEL	199947984	0.3	1.2E-05	76.8195496	7.8270998	S	248211.28				
CONC	24821128	0.2	9.9E-06	23.5616131	2.40067983	C		27579.031	413685.5	27579.031	275790.31
OTHER	24821128	0.2	9.9E-06	23.5616131	2.40067983	N					
BETON	21000000	0.3	1.2E-05	24	2.4000001	C		22500	400000	15000	240000

FrameForce (kN-m)
Portal RS. Bethesda Jogjakarta

FRAME	LOAD	STATION	P	V2	V3	T	M2	M3
F119	D	0.00	90.234	-227.838	-0.001	0.347	0.007	-546.042
F119	D	3.53	90.234	-128.045	-0.001	0.347	0.009	98.824
F119	D	7.05	90.234	-0.102	-0.001	0.347	0.011	333.959
F119	D	10.57	90.234	127.840	-0.001	0.347	0.013	99.545
F119	D	14.10	90.234	227.634	-0.001	0.347	0.015	-544.600
F119	L	0.00	23.735	-58.573	0.004	0.195	0.030	-148.832
F119	L	3.53	23.735	-35.359	0.004	0.195	0.017	25.761
F119	L	7.05	23.735	-0.087	0.004	0.195	0.004	92.143
F119	L	10.57	23.735	35.185	0.004	0.195	-0.008	26.374
F119	L	14.10	23.735	58.399	0.004	0.195	-0.021	-147.607
F119	EX	0.00	0.065	0.037	-0.016	-0.216	-0.100	0.194
F119	EX	3.53	0.065	0.037	-0.016	-0.216	-0.044	0.064
F119	EX	7.05	0.065	0.037	-0.016	-0.216	0.013	-0.067
F119	EX	10.57	0.065	0.037	-0.016	-0.216	0.069	-0.198
F119	EX	14.10	0.065	0.037	-0.016	-0.216	0.125	-0.329
F119	EY	0.00	0.030	26.889	0.239	0.117	1.686	189.588
F119	EY	3.53	0.030	26.889	0.239	0.117	0.844	94.804
F119	EY	7.05	0.030	26.889	0.239	0.117	0.002	0.020
F119	EY	10.57	0.030	26.889	0.239	0.117	-0.840	-94.764
F119	EY	14.10	0.030	26.889	0.239	0.117	-1.683	-189.548
F119	COMB1	0.00	146.257	-367.123	0.005	0.728	0.057	-893.381
F119	COMB1	3.53	146.257	-210.228	0.005	0.728	0.039	159.807
F119	COMB1	7.05	146.257	-0.262	0.005	0.728	0.021	548.179
F119	COMB1	10.57	146.257	209.704	0.005	0.728	0.003	161.653
F119	COMB1	14.10	146.257	366.599	0.005	0.728	-0.016	-889.690
F119	COMB2	0.00	113.311	-256.672	0.248	0.571	1.770	-490.304
F119	COMB2	3.53	113.311	-133.781	0.248	0.571	0.896	223.424
F119	COMB2	7.05	113.311	28.070	0.248	0.571	0.021	422.528
F119	COMB2	10.57	113.311	189.922	0.248	0.571	-0.853	25.530
F119	COMB2	14.10	113.311	312.812	0.248	0.571	-1.728	-886.092
F119	COMB3	0.00	113.337	-276.408	0.061	0.326	0.458	-629.508
F119	COMB3	3.53	113.337	-153.518	0.061	0.326	0.243	153.789
F119	COMB3	7.05	113.337	8.334	0.061	0.326	0.029	422.464
F119	COMB3	10.57	113.337	170.185	0.061	0.326	-0.185	95.036
F119	COMB3	14.10	113.337	293.076	0.061	0.326	-0.399	-747.016
F238	D	0.00	3.012	-84.540	-0.143	-0.029	-0.475	-38.662
F238	D	1.48	3.012	-51.959	-0.143	-0.029	-0.264	63.345
F238	D	2.95	3.012	33.721	-0.143	-0.029	-0.054	85.663
F238	D	4.43	3.012	89.831	-0.143	-0.029	0.157	1.002
F238	D	5.90	3.012	116.605	-0.143	-0.029	0.368	-153.197
F238	L	0.00	0.601	-21.611	-0.029	-0.036	-0.103	-10.875
F238	L	1.48	0.601	-13.790	-0.029	-0.036	-0.060	15.920
F238	L	2.95	0.601	8.253	-0.029	-0.036	-0.017	22.111
F238	L	4.43	0.601	24.200	-0.029	-0.036	0.027	0.652
F238	L	5.90	0.601	29.038	-0.029	-0.036	0.070	-39.611
F238	EX	0.00	-0.350	2.874	0.538	-4.718	1.504	9.954
F238	EX	1.48	-0.350	2.874	0.538	-4.718	0.710	5.715
F238	EX	2.95	-0.350	2.874	0.538	-4.718	-0.084	1.476
F238	EX	4.43	-0.350	2.874	0.538	-4.718	-0.877	-2.764
F238	EX	5.90	-0.350	2.874	0.538	-4.718	-1.671	-7.003
F238	EY	0.00	2.828	-20.316	-0.197	-0.659	-0.718	-52.424
F238	EY	1.48	2.828	-20.316	-0.197	-0.659	-0.427	-22.458
F238	EY	2.95	2.828	-20.316	-0.197	-0.659	-0.136	7.509
F238	EY	4.43	2.828	-20.316	-0.197	-0.659	0.155	37.475
F238	EY	5.90	2.828	-20.316	-0.197	-0.659	0.446	67.442
F238	COMB1	0.00	4.576	-136.026	-0.218	-0.092	-0.735	-63.794
F238	COMB1	1.48	4.576	-84.414	-0.218	-0.092	-0.413	101.485
F238	COMB1	2.95	4.576	53.670	-0.218	-0.092	-0.091	138.173
F238	COMB1	4.43	4.576	146.517	-0.218	-0.092	0.231	2.246
F238	COMB1	5.90	4.576	186.386	-0.218	-0.092	0.553	-247.215
F238	COMB2	0.00	6.490	-126.051	-0.211	-2.236	-0.859	-100.987
F238	COMB2	1.48	6.490	-85.740	-0.211	-2.236	-0.549	57.149
F238	COMB2	2.95	6.490	21.417	-0.211	-2.236	-0.238	115.541
F238	COMB2	4.43	6.490	92.772	-0.211	-2.236	0.072	40.039
F238	COMB2	5.90	6.490	124.658	-0.211	-2.236	0.383	-123.146

FrameForce (kN-m)
Portal RS. Bethesda Jogjakarta

FRAME	LOAD	STATION	P	V2	V3	T	M2	M3
F238	COMB3	0.00	4.155	-109.006	0.330	-5.220	0.774	-55.138
F238	COMB3	1.48	4.155	-68.695	0.330	-5.220	0.287	77.856
F238	COMB3	2.95	4.155	38.462	0.330	-5.220	-0.200	111.107
F238	COMB3	4.43	4.155	109.817	0.330	-5.220	-0.686	10.463
F238	COMB3	5.90	4.155	141.703	0.330	-5.220	-1.173	-177.863
F150	D	0.00	2.703	-31.151	0.089	0.392	0.116	-14.580
F150	D	0.88	2.703	-17.134	0.089	0.392	0.038	7.090
F150	D	1.75	2.703	3.476	0.089	0.392	-0.040	13.401
F150	D	2.63	2.703	24.086	0.089	0.392	-0.118	1.007
F150	D	3.50	2.703	38.102	0.089	0.392	-0.196	-26.745
F150	L	0.00	0.469	-6.216	0.048	0.085	0.072	-3.082
F150	L	0.88	0.469	-4.299	0.048	0.085	0.030	1.797
F150	L	1.75	0.469	1.001	0.048	0.085	-0.012	3.413
F150	L	2.63	0.469	6.300	0.048	0.085	-0.055	0.046
F150	L	3.50	0.469	8.217	0.048	0.085	-0.097	-6.585
F150	EX	0.00	2.982	73.767	0.433	-0.054	0.830	138.982
F150	EX	0.88	2.982	73.767	0.433	-0.054	0.451	74.436
F150	EX	1.75	2.982	73.767	0.433	-0.054	0.072	9.889
F150	EX	2.63	2.982	73.767	0.433	-0.054	-0.307	-54.657
F150	EX	3.50	2.982	73.767	0.433	-0.054	-0.687	-119.204
F150	EY	0.00	-0.406	0.608	0.350	-0.155	0.600	1.035
F150	EY	0.88	-0.406	0.608	0.350	-0.155	0.294	0.502
F150	EY	1.75	-0.406	0.608	0.350	-0.155	-0.013	-0.030
F150	EY	2.63	-0.406	0.608	0.350	-0.155	-0.319	-0.562
F150	EY	3.50	-0.406	0.608	0.350	-0.155	-0.626	-1.095
F150	COMB1	0.00	3.993	-47.327	0.184	0.607	0.254	-22.428
F150	COMB1	0.88	3.993	-27.439	0.184	0.607	0.093	11.383
F150	COMB1	1.75	3.993	5.772	0.184	0.607	-0.068	21.542
F150	COMB1	2.63	3.993	38.983	0.184	0.607	-0.229	1.282
F150	COMB1	3.50	3.993	58.870	0.184	0.607	-0.390	-42.630
F150	COMB2	0.00	3.716	-13.681	0.635	0.298	1.069	27.152
F150	COMB2	0.88	3.716	2.531	0.635	0.298	0.513	32.821
F150	COMB2	1.75	3.716	28.306	0.635	0.298	-0.043	19.817
F150	COMB2	2.63	3.716	54.080	0.635	0.298	-0.599	-16.714
F150	COMB2	3.50	3.716	70.292	0.635	0.298	-1.155	-71.917
F150	COMB3	0.00	6.207	40.090	0.696	0.372	1.238	128.544
F150	COMB3	0.88	6.207	56.303	0.696	0.372	0.629	87.162
F150	COMB3	1.75	6.207	82.077	0.696	0.372	0.019	27.108
F150	COMB3	2.63	6.207	107.852	0.696	0.372	-0.590	-56.474
F150	COMB3	3.50	6.207	124.064	0.696	0.372	-1.199	-158.727
F12	D	0.00	0.425	-1.697	0.018	-0.033	0.024	-0.396
F12	D	0.57	0.425	0.028	0.018	-0.033	0.014	0.083
F12	D	1.15	0.425	1.753	0.018	-0.033	0.004	-0.429
F12	D	1.73	0.425	3.478	0.018	-0.033	-0.007	-1.933
F12	D	2.30	0.425	5.203	0.018	-0.033	-0.017	-4.428
F12	L	0.00	-0.625	1.929	0.003	0.007	0.006	2.535
F12	L	0.57	-0.625	1.929	0.003	0.007	0.005	1.425
F12	L	1.15	-0.625	1.929	0.003	0.007	0.003	0.316
F12	L	1.73	-0.625	1.929	0.003	0.007	0.002	-0.793
F12	L	2.30	-0.625	1.929	0.003	0.007	0.000	-1.903
F12	EX	0.00	-0.154	-0.433	-0.021	-0.116	-0.182	-0.387
F12	EX	0.57	-0.154	-0.433	-0.021	-0.116	-0.170	-0.138
F12	EX	1.15	-0.154	-0.433	-0.021	-0.116	-0.158	0.111
F12	EX	1.73	-0.154	-0.433	-0.021	-0.116	-0.147	0.360
F12	EX	2.30	-0.154	-0.433	-0.021	-0.116	-0.135	0.609
F12	EY	0.00	-20.649	50.192	0.126	-0.069	0.148	59.478
F12	EY	0.57	-20.649	50.192	0.126	-0.069	0.076	30.618
F12	EY	1.15	-20.649	50.192	0.126	-0.069	0.003	1.758
F12	EY	1.73	-20.649	50.192	0.126	-0.069	-0.069	-27.103
F12	EY	2.30	-20.649	50.192	0.126	-0.069	-0.142	-55.963
F12	COMB1	0.00	-0.491	1.051	0.026	-0.029	0.039	3.580
F12	COMB1	0.57	-0.491	3.121	0.026	-0.029	0.024	2.381
F12	COMB1	1.15	-0.491	5.191	0.026	-0.029	0.010	-0.009
F12	COMB1	1.73	-0.491	7.261	0.026	-0.029	-0.005	-3.588

FrameForce (kN-m)
Portal RS. Bethesda Jogjakarta

FRAME	LOAD	STATION	P	V2	V3	T	M2	M3
F12	COMB1	2.30	-0.491	9.331	0.026	-0.029	-0.020	-8.358
F12	COMB2	0.00	-21.772	52.288	0.147	-0.138	0.128	63.891
F12	COMB2	0.57	-21.772	54.100	0.147	-0.138	0.044	33.305
F12	COMB2	1.15	-21.772	55.911	0.147	-0.138	-0.040	1.677
F12	COMB2	1.73	-21.772	57.722	0.147	-0.138	-0.125	-30.993
F12	COMB2	2.30	-21.772	59.533	0.147	-0.138	-0.209	-64.704
F12	COMB3	0.00	-6.708	15.079	0.039	-0.173	-0.114	19.890
F12	COMB3	0.57	-6.708	16.890	0.039	-0.173	-0.137	10.699
F12	COMB3	1.15	-6.708	18.702	0.039	-0.173	-0.159	0.466
F12	COMB3	1.73	-6.708	20.513	0.039	-0.173	-0.181	-10.808
F12	COMB3	2.30	-6.708	22.324	0.039	-0.173	-0.204	-23.123
F128	D	0.00	0.000	-37.932	0.000	0.000	0.000	-56.903
F128	D	0.44	0.000	-36.158	0.000	0.000	0.000	-40.628
F128	D	0.88	0.000	-32.516	0.000	0.000	0.000	-25.537
F128	D	1.31	0.000	-28.874	0.000	0.000	0.000	-12.176
F128	D	1.75	0.000	-27.100	0.000	0.000	0.000	0.000
F128	L	0.00	0.000	-14.033	0.000	0.000	0.000	-21.203
F128	L	0.44	0.000	-13.553	0.000	0.000	0.000	-15.134
F128	L	0.88	0.000	-12.116	0.000	0.000	0.000	-9.484
F128	L	1.31	0.000	-10.679	0.000	0.000	0.000	-4.532
F128	L	1.75	0.000	-10.200	0.000	0.000	0.000	0.000
F128	EX	0.00	0.000	0.000	0.000	0.000	0.000	0.000
F128	EX	0.44	0.000	0.000	0.000	0.000	0.000	0.000
F128	EX	0.88	0.000	0.000	0.000	0.000	0.000	0.000
F128	EX	1.31	0.000	0.000	0.000	0.000	0.000	0.000
F128	EX	1.75	0.000	0.000	0.000	0.000	0.000	0.000
F128	EY	0.00	0.000	0.000	0.000	0.000	0.000	0.000
F128	EY	0.44	0.000	0.000	0.000	0.000	0.000	0.000
F128	EY	0.88	0.000	0.000	0.000	0.000	0.000	0.000
F128	EY	1.31	0.000	0.000	0.000	0.000	0.000	0.000
F128	EY	1.75	0.000	0.000	0.000	0.000	0.000	0.000
F128	COMB1	0.00	0.000	-67.971	0.000	0.000	0.000	-102.210
F128	COMB1	0.44	0.000	-65.076	0.000	0.000	0.000	-72.968
F128	COMB1	0.88	0.000	-58.406	0.000	0.000	0.000	-45.819
F128	COMB1	1.31	0.000	-51.735	0.000	0.000	0.000	-21.863
F128	COMB1	1.75	0.000	-48.840	0.000	0.000	0.000	0.000
F128	COMB2	0.00	0.000	-50.774	0.000	0.000	0.000	-76.287
F128	COMB2	0.44	0.000	-48.538	0.000	0.000	0.000	-54.464
F128	COMB2	0.88	0.000	-43.593	0.000	0.000	0.000	-34.212
F128	COMB2	1.31	0.000	-38.647	0.000	0.000	0.000	-16.320
F128	COMB2	1.75	0.000	-36.411	0.000	0.000	0.000	0.000
F128	COMB3	0.00	0.000	-50.774	0.000	0.000	0.000	-76.287
F128	COMB3	0.44	0.000	-48.538	0.000	0.000	0.000	-54.464
F128	COMB3	0.88	0.000	-43.593	0.000	0.000	0.000	-34.212
F128	COMB3	1.31	0.000	-38.647	0.000	0.000	0.000	-16.320
F128	COMB3	1.75	0.000	-36.411	0.000	0.000	0.000	0.000
FP21	D	0.00	-1405.766	0.361	-18.944	0.609	16.155	0.009
FP21	D	0.75	-1411.526	0.361	-18.944	0.609	30.363	-0.261
FP21	D	1.50	-1417.286	0.361	-18.944	0.609	44.571	-0.532
FP21	L	0.00	-294.566	-0.635	-1.714	0.157	10.356	-0.497
FP21	L	0.75	-294.566	-0.635	-1.714	0.157	11.641	-0.020
FP21	L	1.50	-294.566	-0.635	-1.714	0.157	12.927	0.456
FP21	EX	0.00	6.099	-72.200	0.046	0.010	-0.069	0.163
FP21	EX	0.75	6.099	-72.200	0.046	0.010	-0.104	54.313
FP21	EX	1.50	6.099	-72.200	0.046	0.010	-0.138	108.463
FP21	EY	0.00	86.936	-0.082	66.620	0.340	-161.158	0.283
FP21	EY	0.75	86.936	-0.082	66.620	0.340	-211.123	0.344
FP21	EY	1.50	86.936	-0.082	66.620	0.340	-261.087	0.406
FP21	COMB1	0.00	-2158.225	-0.584	-25.475	0.982	35.955	-0.784
FP21	COMB1	0.75	-2165.137	-0.584	-25.475	0.982	55.062	-0.346
FP21	COMB1	1.50	-2172.049	-0.584	-25.475	0.982	74.168	0.092
FP21	COMB2	0.00	-1612.612	-22.946	48.737	1.122	-144.197	-0.030
FP21	COMB2	0.75	-1618.660	-22.946	48.737	1.122	-180.750	17.180
FP21	COMB2	1.50	-1624.708	-22.946	48.737	1.122	-217.303	34.389

FrameForce (kN-m)
Portal RS. Bethesda Jogjakarta

FRAME	LOAD	STATION	P	V2	V3	T	M2	M3
FP21	COMB3	0.00	-1672.027	-75.953	-0.195	0.880	-25.797	-0.118
FP21	COMB3	0.75	-1678.075	-75.953	-0.195	0.880	-25.651	56.847
FP21	COMB3	1.50	-1684.123	-75.953	-0.195	0.880	-25.505	113.811
K107	D	0.00	-1295.087	0.617	-62.717	0.014	-198.452	1.219
K107	D	2.05	-1310.831	0.617	-62.717	0.014	-69.881	-0.045
K107	D	4.10	-1326.575	0.617	-62.717	0.014	58.689	-1.309
K107	L	0.00	-294.134	0.115	-15.113	0.028	-50.552	0.237
K107	L	2.05	-294.134	0.115	-15.113	0.028	-19.570	0.002
K107	L	4.10	-294.134	0.115	-15.113	0.028	11.412	-0.233
K107	EX	0.00	7.394	-71.958	0.057	0.044	0.152	-133.438
K107	EX	2.05	7.394	-71.958	0.057	0.044	0.035	14.076
K107	EX	4.10	7.394	-71.958	0.057	0.044	-0.082	161.590
K107	EY	0.00	79.509	-0.463	66.399	0.798	80.995	-0.780
K107	EY	2.05	79.509	-0.463	66.399	0.798	-55.124	0.170
K107	EY	4.10	79.509	-0.463	66.399	0.798	-191.242	1.120
K107	COMB1	0.00	-2024.719	0.924	-99.441	0.062	-319.025	1.843
K107	COMB1	2.05	-2043.612	0.924	-99.441	0.062	-115.170	-0.050
K107	COMB1	4.10	-2062.505	0.924	-99.441	0.062	88.685	-1.944
K107	COMB2	0.00	-1503.453	-22.416	-7.904	0.888	-162.711	-41.387
K107	COMB2	2.05	-1519.984	-22.416	-7.904	0.888	-146.509	4.567
K107	COMB2	4.10	-1536.516	-22.416	-7.904	0.888	-130.306	50.520
K107	COMB3	0.00	-1556.458	-74.965	-56.665	0.334	-222.131	-138.890
K107	COMB3	2.05	-1572.989	-74.965	-56.665	0.334	-105.967	14.788
K107	COMB3	4.10	-1589.520	-74.965	-56.665	0.334	10.197	168.466
K108	D	0.00	-932.339	0.963	-135.778	0.130	-263.360	1.734
K108	D	2.05	-948.083	0.963	-135.778	0.130	14.985	-0.241
K108	D	4.10	-963.827	0.963	-135.778	0.130	293.330	-2.215
K108	L	0.00	-208.901	0.296	-35.901	0.059	-69.516	0.502
K108	L	2.05	-208.901	0.296	-35.901	0.059	4.081	-0.105
K108	L	4.10	-208.901	0.296	-35.901	0.059	77.678	-0.712
K108	EX	0.00	10.209	-70.799	-0.218	0.079	-0.800	-146.939
K108	EX	2.05	10.209	-70.799	-0.218	0.079	-0.353	-1.802
K108	EX	4.10	10.209	-70.799	-0.218	0.079	0.093	143.335
K108	EY	0.00	50.455	-0.447	58.450	1.581	121.724	-0.941
K108	EY	2.05	50.455	-0.447	58.450	1.581	1.901	-0.024
K108	EY	4.10	50.455	-0.447	58.450	1.581	-117.921	0.893
K108	COMB1	0.00	-1453.049	1.630	-220.375	0.250	-427.258	2.884
K108	COMB1	2.05	-1471.942	1.630	-220.375	0.250	24.511	-0.457
K108	COMB1	4.10	-1490.834	1.630	-220.375	0.250	476.280	-3.797
K108	COMB2	0.00	-1085.705	-21.529	-109.266	1.867	-203.193	-45.062
K108	COMB2	2.05	-1102.237	-21.529	-109.266	1.867	20.802	-0.927
K108	COMB2	4.10	-1118.768	-21.529	-109.266	1.867	244.797	43.207
K108	COMB3	0.00	-1115.286	-73.237	-152.387	0.763	-293.247	-152.371
K108	COMB3	2.05	-1131.818	-73.237	-152.387	0.763	19.145	-2.234
K108	COMB3	4.10	-1148.349	-73.237	-152.387	0.763	331.537	147.902
K109	D	0.00	-537.899	0.992	-193.162	0.930	-466.401	2.032
K109	D	2.05	-553.643	0.992	-193.162	0.930	-70.419	-0.002
K109	D	4.10	-569.387	0.992	-193.162	0.930	325.562	-2.035
K109	L	0.00	-115.056	0.085	-49.667	0.238	-119.090	0.158
K109	L	2.05	-115.056	0.085	-49.667	0.238	-17.273	-0.016
K109	L	4.10	-115.056	0.085	-49.667	0.238	84.544	-0.189
K109	EX	0.00	12.134	-58.681	1.495	0.052	5.103	-127.051
K109	EX	2.05	12.134	-58.681	1.495	0.052	2.038	-6.755
K109	EX	4.10	12.134	-58.681	1.495	0.052	-1.026	113.541
K109	EY	0.00	22.050	-0.474	42.998	2.477	102.474	-1.032
K109	EY	2.05	22.050	-0.474	42.998	2.477	14.327	-0.060
K109	EY	4.10	22.050	-0.474	42.998	2.477	-73.819	0.911
K109	COMB1	0.00	-829.569	1.326	-311.261	1.496	-750.225	2.690
K109	COMB1	2.05	-848.462	1.326	-311.261	1.496	-112.140	-0.027
K109	COMB1	4.10	-867.354	1.326	-311.261	1.496	525.945	-2.745
K109	COMB2	0.00	-627.563	-17.875	-195.941	3.779	-473.406	-38.848
K109	COMB2	2.05	-644.094	-17.875	-195.941	3.779	-71.728	-2.205
K109	COMB2	4.10	-660.626	-17.875	-195.941	3.779	329.951	34.438
K109	COMB3	0.00	-634.851	-60.657	-226.446	1.996	-544.974	-131.472
K109	COMB3	2.05	-651.382	-60.657	-226.446	1.996	-80.760	-7.126
K109	COMB3	4.10	-667.914	-60.657	-226.446	1.996	383.454	117.221

FrameForce (kN-m)
Portal RS. Bethesda Jogjakarta

FRAME	LOAD	STATION	P	V2	V3	T	M2	M3
K110	D	0.00	-175.345	-1.008	-4.668	3.677	-86.430	-2.321
K110	D	2.17	-158.641	-1.008	-4.668	3.677	-76.277	-0.130
K110	D	4.35	-141.937	-1.008	-4.668	3.677	-66.124	2.062
K110	L	0.00	-21.090	-0.186	-1.044	0.846	-26.218	-0.478
K110	L	2.17	-21.090	-0.186	-1.044	0.846	-23.947	-0.073
K110	L	4.35	-21.090	-0.186	-1.044	0.846	-21.675	0.333
K110	EX	0.00	13.668	37.778	-1.018	-0.236	-5.927	77.956
K110	EX	2.17	13.668	37.778	-1.018	-0.236	-3.713	-4.210
K110	EX	4.35	13.668	37.778	-1.018	-0.236	-1.499	-86.377
K110	EY	0.00	-3.119	0.249	20.210	4.538	71.160	0.504
K110	EY	2.17	-3.119	0.249	20.210	4.538	27.203	-0.038
K110	EY	4.35	-3.119	0.249	20.210	4.538	-16.753	-0.580
K110	COMB1	0.00	-244.158	-1.507	-7.272	5.766	-145.665	-3.551
K110	COMB1	2.17	-224.114	-1.507	-7.272	5.766	-129.847	-0.272
K110	COMB1	4.35	-204.069	-1.507	-7.272	5.766	-114.030	3.007
K110	COMB2	0.00	-199.532	10.958	15.184	9.212	-38.351	22.275
K110	COMB2	2.17	-181.993	10.958	15.184	9.212	-71.376	-1.559
K110	COMB2	4.35	-164.454	10.958	15.184	9.212	-104.400	-25.394
K110	COMB3	0.00	-187.194	38.542	-0.419	5.703	-95.010	79.203
K110	COMB3	2.17	-169.655	38.542	-0.419	5.703	-94.100	-4.626
K110	COMB3	4.35	-152.115	39.542	-0.419	5.703	-93.189	-88.454
FP14	D	0.00	-746.761	-3.751	14.527	0.138	15.785	-5.564
FP14	D	0.75	-751.081	-3.751	14.527	0.138	4.890	-2.751
FP14	D	1.50	-755.401	-3.751	14.527	0.138	-6.005	0.062
FP14	L	0.00	-233.509	0.628	-4.127	0.044	-5.060	0.364
FP14	L	0.75	-233.509	0.628	-4.127	0.044	-1.965	-0.107
FP14	L	1.50	-233.509	0.628	-4.127	0.044	1.130	-0.579
FP14	EX	0.00	-259.462	-39.459	-1.166	0.183	-1.071	16.894
FP14	EX	0.75	-259.462	-39.459	-1.166	0.183	-0.197	46.489
FP14	EX	1.50	-259.462	-39.459	-1.166	0.183	0.677	76.083
FP14	EY	0.00	299.039	-0.658	40.659	0.370	-27.308	0.007
FP14	EY	0.75	299.039	-0.658	40.659	0.370	-57.802	0.501
FP14	EY	1.50	299.039	-0.658	40.659	0.370	-88.297	0.994
FP14	COMB1	0.00	-1269.728	-3.495	10.829	0.237	10.846	-6.095
FP14	COMB1	0.75	-1274.912	-3.495	10.829	0.237	2.724	-3.473
FP14	COMB1	1.50	-1280.096	-3.495	10.829	0.237	-5.398	-0.852
FP14	COMB2	0.00	-733.975	-16.568	54.359	0.626	-16.384	-0.229
FP14	COMB2	0.75	-738.511	-16.568	54.359	0.626	-57.153	12.197
FP14	COMB2	1.50	-743.047	-16.568	54.359	0.626	-97.922	24.624
FP14	COMB3	0.00	-1144.473	-45.087	23.618	0.488	2.900	12.183
FP14	COMB3	0.75	-1149.009	-45.087	23.618	0.488	-14.813	45.999
FP14	COMB3	1.50	-1153.545	-45.087	23.618	0.488	-32.526	79.814
K67	D	0.00	-661.113	-2.035	21.312	0.060	55.992	-5.498
K67	D	2.05	-672.921	-2.035	21.312	0.060	12.302	-1.326
K67	D	4.10	-684.729	-2.035	21.312	0.060	-31.388	2.847
K67	L	0.00	-236.684	-0.194	8.047	0.010	24.176	-0.937
K67	L	2.05	-236.684	-0.194	8.047	0.010	7.681	-0.539
K67	L	4.10	-236.684	-0.194	8.047	0.010	-8.815	-0.141
K67	EX	0.00	-215.254	-43.224	-0.914	0.238	-1.919	-74.004
K67	EX	2.05	-215.254	-43.224	-0.914	0.238	-0.045	14.606
K67	EX	4.10	-215.254	-43.224	-0.914	0.238	1.830	103.216
K67	EY	0.00	252.833	-0.583	49.648	0.646	81.261	-1.114
K67	EY	2.05	252.833	-0.583	49.648	0.646	-20.517	0.082
K67	EY	4.10	252.833	-0.583	49.648	0.646	-122.294	1.277
K67	COMB1	0.00	-1172.031	-2.753	38.450	0.087	105.873	-8.096
K67	COMB1	2.05	-1186.201	-2.753	38.450	0.087	27.051	-2.453
K67	COMB1	4.10	-1200.370	-2.753	38.450	0.087	-51.771	3.190
K67	COMB2	0.00	-681.113	-16.516	80.496	0.823	162.369	-30.984
K67	COMB2	2.05	-693.511	-16.516	80.496	0.823	-2.649	2.874
K67	COMB2	4.10	-705.910	-16.516	80.496	0.823	-167.666	36.733
K67	COMB3	0.00	-1025.157	-47.858	43.334	0.524	101.232	-84.558
K67	COMB3	2.05	-1037.555	-47.858	43.334	0.524	12.398	13.550
K67	COMB3	4.10	-1049.954	-47.858	43.334	0.524	-76.435	111.658
K68	D	0.00	-447.910	-3.387	31.916	-0.002	62.201	-6.693

FrameForce (kN-m)
Portal RS. Bethesda Jogjakarta

FRAME	LOAD	STATION	P	V2	V3	T	M2	M3
K68	D	2.05	-459.718	-3.387	31.916	-0.002	-3.227	0.251
K68	D	4.10	-471.526	-3.387	31.916	-0.002	-68.654	7.195
K68	L	0.00	-159.334	-0.909	12.800	-0.044	22.887	-1.751
K68	L	2.05	-159.334	-0.909	12.800	-0.044	-3.353	0.113
K68	L	4.10	-159.334	-0.909	12.800	-0.044	-29.594	1.977
K68	EX	0.00	-139.920	-38.602	-1.986	-0.335	-3.717	-81.248
K68	EX	2.05	-139.920	-38.602	-1.986	-0.335	0.354	-2.115
K68	EX	4.10	-139.920	-38.602	-1.986	-0.335	4.425	77.019
K68	EY	0.00	159.683	-0.352	52.163	0.579	106.347	-0.863
K68	EY	2.05	159.683	-0.352	52.163	0.579	-0.587	-0.142
K68	EY	4.10	159.683	-0.352	52.163	0.579	-107.521	0.580
K68	COMB1	0.00	-792.427	-5.520	58.780	-0.073	111.261	-10.833
K68	COMB1	2.05	-806.596	-5.520	58.780	-0.073	-9.237	0.482
K68	COMB1	4.10	-820.766	-5.520	58.780	-0.073	-129.735	11.798
K68	COMB2	0.00	-470.994	-16.795	97.641	0.466	193.656	-34.892
K68	COMB2	2.05	-483.392	-16.795	97.641	0.466	-6.509	-0.463
K68	COMB2	4.10	-495.791	-16.795	97.641	0.466	-206.674	33.967
K68	COMB3	0.00	-691.202	-44.909	57.842	-0.206	112.760	-93.976
K68	COMB3	2.05	-703.600	-44.909	57.842	-0.206	-5.817	-1.913
K68	COMB3	4.10	-715.999	-44.909	57.842	-0.206	-124.393	90.149
K69	D	0.00	-260.934	-3.549	30.104	-0.116	64.629	-7.662
K69	D	2.05	-272.742	-3.549	30.104	-0.116	2.917	-0.387
K69	D	4.10	-284.550	-3.549	30.104	-0.116	-58.796	6.887
K69	L	0.00	-114.809	-0.746	5.677	-0.096	10.673	-1.347
K69	L	2.05	-114.809	-0.746	5.677	-0.096	-0.964	0.183
K69	L	4.10	-114.809	-0.746	5.677	-0.096	-12.602	1.713
K69	EX	0.00	-69.299	-31.305	-1.939	-0.225	-4.038	-70.094
K69	EX	2.05	-69.299	-31.305	-1.939	-0.225	-0.062	-5.918
K69	EX	4.10	-69.299	-31.305	-1.939	-0.225	3.914	58.258
K69	EY	0.00	69.309	0.032	41.990	0.133	93.262	-0.233
K69	EY	2.05	69.309	0.032	41.990	0.133	7.183	-0.299
K69	EY	4.10	69.309	0.032	41.990	0.133	-78.896	-0.365
K69	COMB1	0.00	-496.814	-5.453	45.208	-0.293	94.632	-11.350
K69	COMB1	2.05	-510.984	-5.453	45.208	-0.293	1.957	-0.172
K69	COMB1	4.10	-525.154	-5.453	45.208	-0.293	-90.719	11.006
K69	COMB2	0.00	-312.586	-14.136	79.515	-0.128	172.839	-31.420
K69	COMB2	2.05	-324.984	-14.136	79.515	-0.128	9.832	-2.442
K69	COMB2	4.10	-337.383	-14.136	79.515	-0.128	-153.174	26.536
K69	COMB3	0.00	-414.463	-37.169	47.227	-0.391	101.323	-82.768
K69	COMB3	2.05	-426.862	-37.169	47.227	-0.391	4.507	-6.572
K69	COMB3	4.10	-439.260	-37.169	47.227	-0.391	-92.309	69.624
K70	D	0.00	-96.334	1.309	20.887	-0.392	52.356	4.187
K70	D	2.17	-83.806	1.309	20.887	-0.392	6.926	1.340
K70	D	4.35	-71.278	1.309	20.887	-0.392	-38.504	-1.507
K70	L	0.00	-73.050	1.894	17.953	-0.132	28.999	2.919
K70	L	2.17	-73.050	1.894	17.953	-0.132	-10.050	-1.200
K70	L	4.35	-73.050	1.894	17.953	-0.132	-49.099	-5.320
K70	EX	0.00	-15.809	20.168	-1.056	0.245	-2.378	37.557
K70	EX	2.17	-15.809	20.168	-1.056	0.245	-0.082	-6.308
K70	EX	4.35	-15.809	20.168	-1.056	0.245	2.214	-50.173
K70	EY	0.00	-1.778	-0.625	30.912	-0.807	54.833	-2.113
K70	EY	2.17	-1.778	-0.625	30.912	-0.807	-12.401	-0.755
K70	EY	4.35	-1.778	-0.625	30.912	-0.807	-79.636	0.604
K70	COMB1	0.00	-232.481	4.601	53.790	-0.683	109.224	9.695
K70	COMB1	2.17	-217.448	4.601	53.790	-0.683	-7.769	-0.313
K70	COMB1	4.35	-202.414	4.601	53.790	-0.683	-124.762	-10.321
K70	COMB2	0.00	-164.977	8.549	68.061	-1.286	134.418	16.285
K70	COMB2	2.17	-151.822	8.549	68.061	-1.286	-13.614	-2.309
K70	COMB2	4.35	-138.668	8.549	68.061	-1.286	-161.646	-20.903
K70	COMB3	0.00	-175.290	23.831	44.564	-0.512	92.368	45.443
K70	COMB3	2.17	-162.135	23.831	44.564	-0.512	-4.559	-6.391
K70	COMB3	4.35	-148.981	23.831	44.564	-0.512	-101.486	-58.224
FP45	D	0.00	-394.477	-2.371	-9.974	0.177	-12.781	-2.671
FP45	D	0.75	-398.797	-2.371	-9.974	0.177	-5.301	-0.893

FrameForce (kN-m)
Portal RS. Bethesda Jogjakarta

FRAME	LOAD	STATION	P	V2	V3	T	M2	M3
FP45	D	1.50	-403.117	-2.371	-9.974	0.177	2.180	0.886
FP45	L	0.00	-40.654	-0.522	0.974	0.024	1.060	-0.391
FP45	L	0.75	-40.654	-0.522	0.974	0.024	0.330	0.000
FP45	L	1.50	-40.654	-0.522	0.974	0.024	-0.401	0.392
FP45	EX	0.00	-330.533	-38.889	0.073	-0.653	0.130	5.792
FP45	EX	0.75	-330.533	-38.889	0.073	-0.653	0.075	34.959
FP45	EX	1.50	-330.533	-38.889	0.073	-0.653	0.020	64.125
FP45	EY	0.00	80.684	-1.759	31.040	0.342	-52.882	-2.160
FP45	EY	0.75	80.684	-1.759	31.040	0.342	-76.162	-0.841
FP45	EY	1.50	80.684	-1.759	31.040	0.342	-99.441	0.479
FP45	COMB1	0.00	-538.419	-3.680	-10.410	0.251	-13.641	-3.831
FP45	COMB1	0.75	-543.603	-3.680	-10.410	0.251	-5.833	-1.071
FP45	COMB1	1.50	-548.787	-3.680	-10.410	0.251	1.975	1.690
FP45	COMB2	0.00	-465.311	-16.994	22.902	0.358	-68.078	-3.553
FP45	COMB2	0.75	-469.847	-16.994	22.902	0.358	-85.254	9.192
FP45	COMB2	1.50	-474.383	-16.994	22.902	0.358	-102.431	21.938
FP45	COMB3	0.00	-767.556	-44.284	0.141	-0.373	-29.115	2.292
FP45	COMB3	0.75	-772.092	-44.284	0.141	-0.373	-29.221	35.505
FP45	COMB3	1.50	-776.628	-44.284	0.141	-0.373	-29.326	68.718
K227	D	0.00	-324.008	-2.186	-9.636	0.230	-24.438	-4.778
K227	D	2.05	-335.816	-2.186	-9.636	0.230	-4.685	-0.298
K227	D	4.10	-347.624	-2.186	-9.636	0.230	15.069	4.183
K227	L	0.00	-39.555	-0.390	-1.182	0.051	-3.846	-0.875
K227	L	2.05	-39.555	-0.390	-1.182	0.051	-1.422	-0.076
K227	L	4.10	-39.555	-0.390	-1.182	0.051	1.001	0.723
K227	EX	0.00	-248.993	-35.707	0.108	-0.825	0.063	-51.453
K227	EX	2.05	-248.993	-35.707	0.108	-0.825	-0.159	21.747
K227	EX	4.10	-248.993	-35.707	0.108	-0.825	-0.381	94.947
K227	EY	0.00	69.270	-1.247	31.807	0.128	33.496	-3.041
K227	EY	2.05	69.270	-1.247	31.807	0.128	-31.709	-0.484
K227	EY	4.10	69.270	-1.247	31.807	0.128	-96.913	2.072
K227	COMB1	0.00	-452.098	-3.246	-13.455	0.358	-35.479	-7.134
K227	COMB1	2.05	-466.267	-3.246	-13.455	0.358	-7.897	-0.479
K227	COMB1	4.10	-480.437	-3.246	-13.455	0.358	19.685	6.176
K227	COMB2	0.00	-376.761	-15.156	22.392	0.156	6.530	-25.100
K227	COMB2	2.05	-389.159	-15.156	22.392	0.156	-39.373	5.970
K227	COMB2	4.10	-401.558	-15.156	22.392	0.156	-85.276	37.040
K227	COMB3	0.00	-610.684	-40.484	-0.907	-0.544	-18.042	-60.683
K227	COMB3	2.05	-623.083	-40.484	-0.907	-0.544	-16.183	22.310
K227	COMB3	4.10	-635.481	-40.484	-0.907	-0.544	-14.325	105.303
K228	D	0.00	-224.328	-2.989	-13.075	0.315	-24.690	-6.621
K228	D	2.05	-236.136	-2.989	-13.075	0.315	2.114	-0.493
K228	D	4.10	-247.944	-2.989	-13.075	0.315	28.918	5.635
K228	L	0.00	-27.892	-0.466	-2.468	0.046	-4.528	-1.103
K228	L	2.05	-27.892	-0.466	-2.468	0.046	0.532	-0.148
K228	L	4.10	-27.892	-0.466	-2.468	0.046	5.592	0.807
K228	EX	0.00	-162.775	-24.155	0.662	-0.882	1.129	-52.584
K228	EX	2.05	-162.775	-24.155	0.662	-0.882	-0.228	-3.067
K228	EX	4.10	-162.775	-24.155	0.662	-0.882	-1.585	46.450
K228	EY	0.00	42.709	-2.030	28.615	0.145	57.861	-4.551
K228	EY	2.05	42.709	-2.030	28.615	0.145	-0.799	-0.390
K228	EY	4.10	42.709	-2.030	28.615	0.145	-59.459	3.772
K228	COMB1	0.00	-313.821	-4.332	-19.640	0.452	-36.873	-9.710
K228	COMB1	2.05	-327.991	-4.332	-19.640	0.452	3.388	-0.829
K228	COMB1	4.10	-342.161	-4.332	-19.640	0.452	43.649	8.053
K228	COMB2	0.00	-263.730	-13.242	14.600	0.241	31.653	-29.155
K228	COMB2	2.05	-276.128	-13.242	14.600	0.241	1.724	-2.009
K228	COMB2	4.10	-288.527	-13.242	14.600	0.241	-28.206	25.138
K228	COMB3	0.00	-414.761	-29.504	-5.946	-0.513	-10.045	-64.459
K228	COMB3	2.05	-427.160	-29.504	-5.946	-0.513	2.143	-3.976
K228	COMB3	4.10	-439.558	-29.504	-5.946	-0.513	14.331	56.507
K229	D	0.00	-126.750	-3.250	-12.838	0.246	-27.856	-6.624
K229	D	2.05	-138.558	-3.250	-12.838	0.246	-1.538	0.038
K229	D	4.10	-150.366	-3.250	-12.838	0.246	24.779	6.700
K229	L	0.00	-16.473	-0.491	-2.301	0.017	-5.012	-0.970
K229	L	2.05	-16.473	-0.491	-2.301	0.017	-0.295	0.037

FrameForce (kN-m)
Portal RS. Bethesda Jogjakarta

FRAME	LOAD	STATION	P	V2	V3	T	M2	M3
K229	L	4.10	-16.473	-0.491	-2.301	0.017	4.422	1.044
K229	EX	0.00	-87.771	-18.750	0.746	-0.707	1.621	-44.244
K229	EX	2.05	-87.771	-18.750	0.746	-0.707	0.093	-5.806
K229	EX	4.10	-87.771	-18.750	0.746	-0.707	-1.436	32.633
K229	EY	0.00	18.753	-2.491	22.219	0.081	55.701	-5.202
K229	EY	2.05	18.753	-2.491	22.219	0.081	10.152	-0.095
K229	EY	4.10	18.753	-2.491	22.219	0.081	-35.398	5.012
K229	COMB1	0.00	-178.457	-4.686	-19.087	0.323	-41.445	-9.501
K229	COMB1	2.05	-192.626	-4.686	-19.087	0.323	-2.318	0.105
K229	COMB1	4.10	-206.796	-4.686	-19.087	0.323	36.810	9.711
K229	COMB2	0.00	-153.894	-12.318	8.291	0.134	25.840	-27.111
K229	COMB2	2.05	-166.292	-12.318	8.291	0.134	8.843	-1.859
K229	COMB2	4.10	-178.691	-12.318	8.291	0.134	-8.153	23.392
K229	COMB3	0.00	-232.189	-24.268	-7.492	-0.445	-13.909	-55.807
K229	COMB3	2.05	-244.587	-24.268	-7.492	-0.445	1.450	-6.057
K229	COMB3	4.10	-256.986	-24.268	-7.492	-0.445	16.809	43.693
K230	D	0.00	-51.299	4.529	-7.679	0.019	-21.139	8.722
K230	D	2.17	-38.771	4.529	-7.679	0.019	-4.438	-1.129
K230	D	4.35	-26.243	4.529	-7.679	0.019	12.263	-10.980
K230	L	0.00	-4.836	0.824	-1.441	-0.009	-3.863	1.547
K230	L	2.17	-4.836	0.824	-1.441	-0.009	-0.729	-0.246
K230	L	4.35	-4.836	0.824	-1.441	-0.009	2.405	-2.039
K230	EX	0.00	-32.062	13.079	0.488	-0.330	1.026	20.109
K230	EX	2.17	-32.062	13.079	0.488	-0.330	-0.036	-8.337
K230	EX	4.35	-32.062	13.079	0.488	-0.330	-1.097	-36.783
K230	EY	0.00	1.800	3.090	11.640	0.878	21.080	5.567
K230	EY	2.17	1.800	3.090	11.640	0.878	-4.238	-1.154
K230	EY	4.35	1.800	3.090	11.640	0.878	-29.555	-7.875
K230	COMB1	0.00	-69.295	6.754	-11.520	0.009	-31.547	12.941
K230	COMB1	2.17	-54.262	6.754	-11.520	0.009	-6.492	-1.749
K230	COMB1	4.35	-39.228	6.754	-11.520	0.009	18.563	-16.439
K230	COMB2	0.00	-65.845	12.763	3.190	0.831	-2.752	22.544
K230	COMB2	2.17	-52.690	12.763	3.190	0.831	-9.689	-5.215
K230	COMB2	4.35	-39.536	12.763	3.190	0.831	-16.627	-32.975
K230	COMB3	0.00	-90.733	20.105	-5.007	-0.057	-17.492	33.232
K230	COMB3	2.17	-77.579	20.105	-5.007	-0.057	-6.601	-10.495
K230	COMB3	4.35	-64.424	20.105	-5.007	-0.057	4.290	-54.223

Lampiran

2

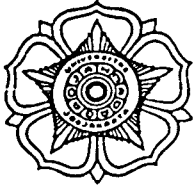
**LAPORAN
PENYELIDIKAN TANAH**

UNTUK :

**PEMBANGUNAN GEDUNG
RUANG IRI DAN IRNA
RUMAH SAKIT BETHESDA
JL. JEND. SUDIRMAN
YOGYAKARTA**

DILAKSANAKAN OLEH :

**LABORATORIUM MEKANIKA TANAH
JURUSAN TEKNIK SIPIL FAKULTAS TEKNIK
UNIVERSITAS GADJAH MADA
YOGYAKARTA**



LABORATORIUM MEKANIKA TANAH
JURUSAN TEKNIK SIPIL - FAKULTAS TEKNIK
UNIVERSITAS GADJAH MADA

Jl. Grafika No. 2 Kampus UGM, Yogyakarta 55281 Tel. (0274) : 562232, 902245
Fax : (0274) 562232

PRAKATA

Guna melengkapi data perancangan fondasi Gedung Ruang IRI dan IRNA Rumah Sakit Bethesda Yogyakarta, serangkaian penyelidikan tanah telah dilaksanakan oleh Laboratorium Mekanika Tanah JTS FT UGM di lokasi rencana pembangunan yang terletak di Kompleks Rumah Sakit Bethesda, Yogyakarta atas permintaan PT. RTC Yogyakarta

Buku ini merupakan laporan hasil penyelidikan tanah yang telah dilaksanakan, yang diharapkan dapat digunakan untuk data perancangan fondasi gedung tersebut. Tidak menutup kemungkinan adanya kelainan-kelainan yang terlepas dari pengamatan penyelidikan, untuk itu jika selama pelaksanaan ada hal-hal tidak sesuai dengan hasil penyelidikan ini, perlu menghubungi pihak Laboratorium.

Atas kepercayaan yang diberikan kepada Laboratorium Mekanika Tanah JTS FT UGM untuk melaksanakan pekerjaan tersebut dengan ini disampaikan terima kasih. Kepada semua pihak yang telah membantu terlaksananya pekerjaan penyelidikan secara langsung ataupun tidak langsung disampaikan pula terima kasih.

Yogyakarta, Mei 2003

Laboratorium Mekanika Tanah

LABORATORIUM
JTS FT UGM
MEKANIKA TANAH
FT UGM

Agus Darmawan Adi
Ir. Agus Darmawan Adi, M.Sc., Ph.D.

DAFTAR ISI

PRAKATA	ii
I. PENDAHULUAN	1
1.1. Umum	1
1.2. Lokasi rencana dan rencana bangunan	1
II. LINGKUP PEKERJAAN DAN DATUM	2
2.1. Lingkup Pekerjaan	2
2.3. Elevasi dasar	2
III. HASIL PENYELIDIKAN	3
3.1. Lapisan-lapisan Tanah	3
3.2. Muka Air Tanah	3
3.3. Uji Laboratorium	4
IV. ALTERNATIF FONDASI	4
4.1. Fondasi Menerus	4
4.2. Fondasi Sumuran	5
V. PENUTUP	5
LAMPIRAN :	
1. Gambar Situasi Titik-Titik Penyelidikan	
2. Hasil Uji Sondir	
3. Hasil Pengeboran	
4. Rangkuman Hasil Uji Laboratorium	
5. Data Hasil Pengujian Laboratorium	

I. PENDAHULUAN

1.1. Umum

Serangkaian penyelidikan tanah telah dilaksanakan oleh Laboratorium Mekanika Tanah, Jurusan Teknik Sipil, Fakultas Teknik UGM di lokasi rencana pembangunan/pengembangan Gedung Ruang IRI dan IRNA Rumah Sakit Bethesda, di Kompleks Rumah Sakit Bethesda, Jl. Jend. Sudirman, Yogyakarta.

Penyelidikan tanah yang dilaksanakan mempunyai tujuan untuk mengetahui keadaan, jenis, sifat indeks, dan parameter-parameter teknis tanah dasar bangunan. Data yang didapatkan akan digunakan untuk analisis penentuan kedalaman dan daya dukung fondasi serta perkiraan penurunan yang mungkin terjadi.

Pekerjaan penyelidikan tanah yang terdiri atas pekerjaan lapangan dan laboratorium dilaksanakan dalam bulan April-Mei 2003.

1.2. Lokasi Rencana dan rencana bangunan

Lokasi yang diselidiki terletak di dalam kompleks Rumah Sakit Bethesda Jl. Jend. Sudirman, Yogyakarta. Saat penyelidikan dilaksanakan, daerah rencana bangunan masih ditempati gedung tak bertingkat yang digunakan untuk bangsal anak yang masih aktif digunakan dan di beberapa bagian dari bangunan ini sangat rapat, sehingga titik-titik penyelidikan disisi selatan tak bisa dilaksanakan sesuai posisi bangunan dan terpaksa digeser ke luar pagar. Titik-titik penyelidikan di sisi utara berada di daerah taman antara selasar dan bangsal anak.

Rencana bangunan baru berada di selatan selasar (di utaranya lagi terdapat UGD). Rencana bangunan baru ini terletak di sebelah barat ruang operasi sejauh sekitar 6 meter dan berjarak sekitar 3 meter dari jalan di sebelah selatan. Di sebelah barat lahan yang diselidiki, terdapat selasar kemudian bangsal anak dengan bangunan tak bertingkat yang sedang direnovasi atapnya.

Kondisi muka tanah relatif mendatar. Dengan kondisi bangunan yang rapat, kemungkinan banyak fasilitas pendukung terdapat di bawah tanah di sekitar rencana bangunan ini sehingga koordinasi dengan berbagai pihak yang terkait sangat penting agar jaringan bawah tanah yang telah ada tidak rusak/terganggu.

Gedung Ruang IRI dan IRNA yang lahannya diselidiki ini direncanakan berupa gedung berlantai-4 dengan struktur rangka beton bertulang. Jarak antar portal beton bertulang sekitar 3.60 m dengan bentang terpanjang sekitar 12 meter. Pada saat penyelidikan berlangsung, detail perencanaan atas masih dalam proses pengerjaan.

II. LINGKUP PEKERJAAN

2.1. Lingkup Pekerjaan

Pekerjaan penyelidikan tanah untuk Gedung Ruang IRI dan IRNA RS Bethesda, ini terdiri atas pekerjaan lapangan dan laboratorium yang meliputi :

1. 4 (empat) titik pemboran dengan alat bor tangan sampai kedalaman masing-masing 7 meter.
2. 8 (delapan) titik pengujian sondir berkapasitas 10 ton. Pengujian dilakukan sampai kedalaman lapisan tanah dengan nilai perlawanan konis lebih dari 800 kg/cm² atau sampai batas kekuatan alat sondir.
3. Sampling dilakukan pada interval tertentu. Namun karena kondisi tanah berupa pasir, maka kualitas sampel kurang sempurna.
4. Pengujian laboratorium atas sampel yang diambil, meliputi sifat umum/klasifikasi dan sifat mekanis tanah.

Denah lokasi dan situasi titik-titik penyelidikan lapangan dapat dilihat pada denah situasi titik penyelidikan yang terlampir di laporan ini.

2.2. Elevasi Dasar

Pada penyelidikan ini, telah digunakan permukaan lantai selasar di barat laut lahan yang diselidiki sebagai dasar elevasi + 100.00 m. Elevasi permukaan tanah yang tercantum pada gambar-gambar hasil penyelidikan dikaitkan dengan elevasi dasar tersebut, sedangkan kedalaman lapisan-lapisan tanah diukur terhadap permukaan tanah di masing-masing titik penyelidikan yang bersangkutan.

III. HASIL PENYELIDIKAN

3.1. Lapisan- lapisan Tanah

Sebagaimana umumnya daerah Yogyakarta, kondisi tanah lokasi yang diselidiki ini berupa endapan vulkanik, dengan kondisi yang agak bervariasi, baik jenis tanah, ketebalan maupun kepadatannya. Secara umum deposit di lahan ini tersusun atas lapisan-lapisan pasir tipis yang berganti-ganti kondisi lapisan dan variasi campurannya. Hampir seluruh deposit berupa pasir, dari ukuran sangat halus sampai sedang dan sebagian mengandung fraksi halus berplastisitas rendah dan sebagian kecil mengandung kerikil. Uji sondir menunjukkan bahwa kondisi kepadatan tanah cukup bervariasi. Lapisan atas umumnya tidak padat dengan nilai perlawanan konus rata-rata bisa kurang dari 20 kg/cm². Ketebalan lapisan ini bervariasi, yang umumnya tidak kurang dari 1.50 m. Lapisan di bawahnya lebih bervariasi, ada yang keras namun ada juga yang kurang padat, dengan nilai perlawanan konus bervariasi dari sekitar 20 kg/cm² sampai lebih dari 200 kg/cm². Di beberapa titik penyelidikan, lapisan cukup keras dengan perlawanan konus lebih dari 200 kg/cm² terdapat pada kedalaman 1.50 m sampai 2.0 m, namun tampaknya lapisan keras hanya berupa lapisan tipis dan penyebarannya tidak teratur. Penyondiran dihentikan pada kedalaman antara 20 sampai 27 meter yang sebagian besar dikarenakan kapasitas alat telah maksimum.

3.2. Muka Air Tanah

Pada saat penyelidikan lapangan (April 2003, akhir musim penghujan) muka air tanah tidak dijumpai sampai akhir pengeboran pada kedalaman sekitar 7 meter. Dari sumur di dekat menara air, muka air tanah terdapat di sekitar kedalaman 9.50 m di bawah muka tanah.

3.3. Uji Laboratorium

Hasil uji laboratorium pada sample yang diambil menunjukkan bahwa tanah setempat berupa pasir lanau non plastis sampai pasir bergradasi (SM-SW). Keberadaan batu dan kerikil diidentifikasi secara visual di lapangan. Secara umum, fraksi halus yang terkandung mempunyai plastisitas rendah dan sebagian besar non plastis. Sudut gesek internal tanah dari uji geser langsung berada pada kisaran antara 30° sampai 40° , namun perlu diperhatikan bahwa tanah yang diuji diambil dari sampel tabung yang kandungan pasirnya dominan, sehingga kemungkinan terjadi pemadatan pada sampel. Kohesi tanah tercatat cukup rendah sehingga lebih baik jika diabaikan.

IV. ALTERNATIF FONDASI

Secara umum kondisi tanah bagian atas sangat tidak beraturan yang umumnya relatif tidak padat. Lapisan yang agak padat dan agak teratur terdapat mulai kedalaman sekitar 1.50 meter di bawah muka tanah. Pada kedalaman sekitar 6.50 m terdapat lapisan yang relatif lebih padat lagi dan cukup merata. Lapisan di bawahnya lagi kebanyakan lebih keras namun terdapat lensa-lensa lapisan tak padat tipis di bawah kedalaman 10 meter. Dengan kondisi tanah tersebut dan mengingat kondisi di sekeliling rencana bangunan yang penuh dengan aktivitas, maka untuk rencana Gedung Ruang IRI dan IRNA berlantai 4 ini, beberapa alternatif fondasi bisa disarankan sebagai berikut.

4.1. Fondasi menerus (continuous footing)

Jenis fondasi ini bisa digunakan mengingat kondisi kepadatan tanah yang tidak terlalu tinggi dan beban yang bekerja diperkirakan agak besar sehingga

penggunaan fondasi menerus ini diharapkan mampu mengakomodasi perbedaan penurunan yang mungkin terjadi akibat variasi kepadatan tanah. Fondasi ini bisa diletakkan pada kedalaman antara 1.40 m sampai 1.60 m di bawah muka tanah setempat atau pada elevasi sekitar 98.20 m terhadap elevasi dasar penyelidikan tanah. Untuk jenis fondasi ini, kapasitas dukung tanah yang diijinkan (q_a) dapat diambil :

$$q_a = 1.50 \text{ kg/cm}^2 \approx 15.0 \text{ ton/m}^2$$

4.2. Fondasi sumuran

Mengingat tanah yang cukup padat terletak pada kedalaman sekitar 6.0 m sampai 6.50 m, maka fondasi sumuran dapat digunakan untuk bangunan gedung Ruang IRI dan IRNA RS Bethesda yang lahannya diselidiki ini. Jika jenis fondasi ini yang dipilih, dasar fondasi disarankan untuk diletakkan pada kedalaman sekitar 6.50 m di bawah muka tanah setempat atau pada elevasi + 93.20 m terhadap elevasi dasar penyelidikan. Kapasitas dukung tanah dasar yang diperbolehkan (q_a) untuk jenis dan kedalaman fondasi sebagaimana tersebut di atas (bangunan 4 lantai) bisa diambil sebesar :

$$q_a = 8.0 \text{ kg/cm}^2 \approx 80 \text{ ton/m}^2$$

V. PENUTUP

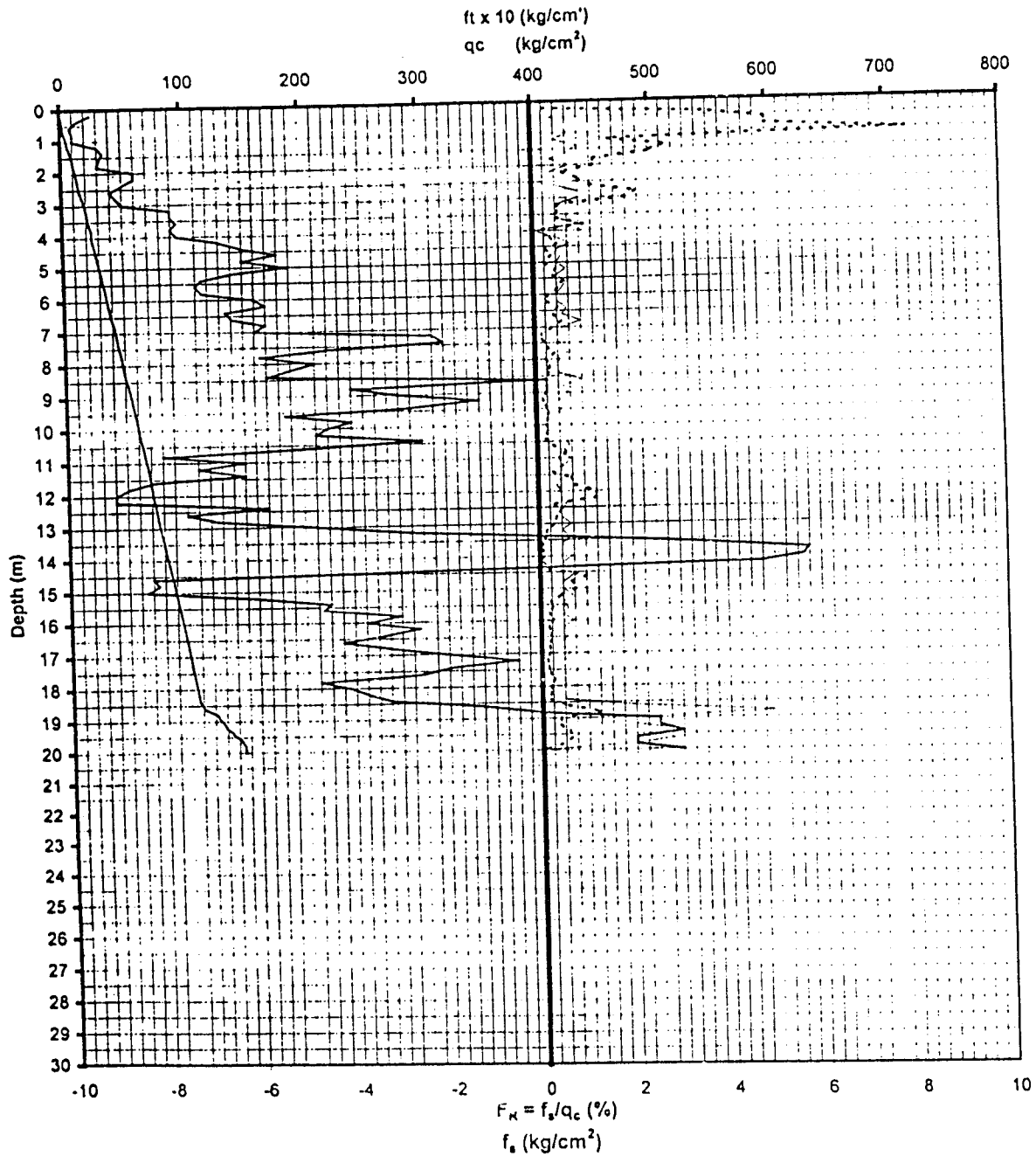
Dalam pelaksanaan pekerjaan nanti, apabila ternyata dijumpai hal-hal yang menyimpang, meragukan, atau tak terduga, maka perlu diadakan penyesuaian dengan keadaan tersebut. Keputusan hendaknya diambil oleh fihak-fihak yang menguasai permasalahan.

LAMPIRAN - LAMPIRAN

CONE PENETRATION TEST (10 TON)

Project : RS. BETHESDA
 Location : Jl. Jenderal Sudirman, Jogja
 Test no. : SB-1
 Elevation : + 99.73 m

Weather : Panas
 Date : 15-4-03
 Tested by : Kwo

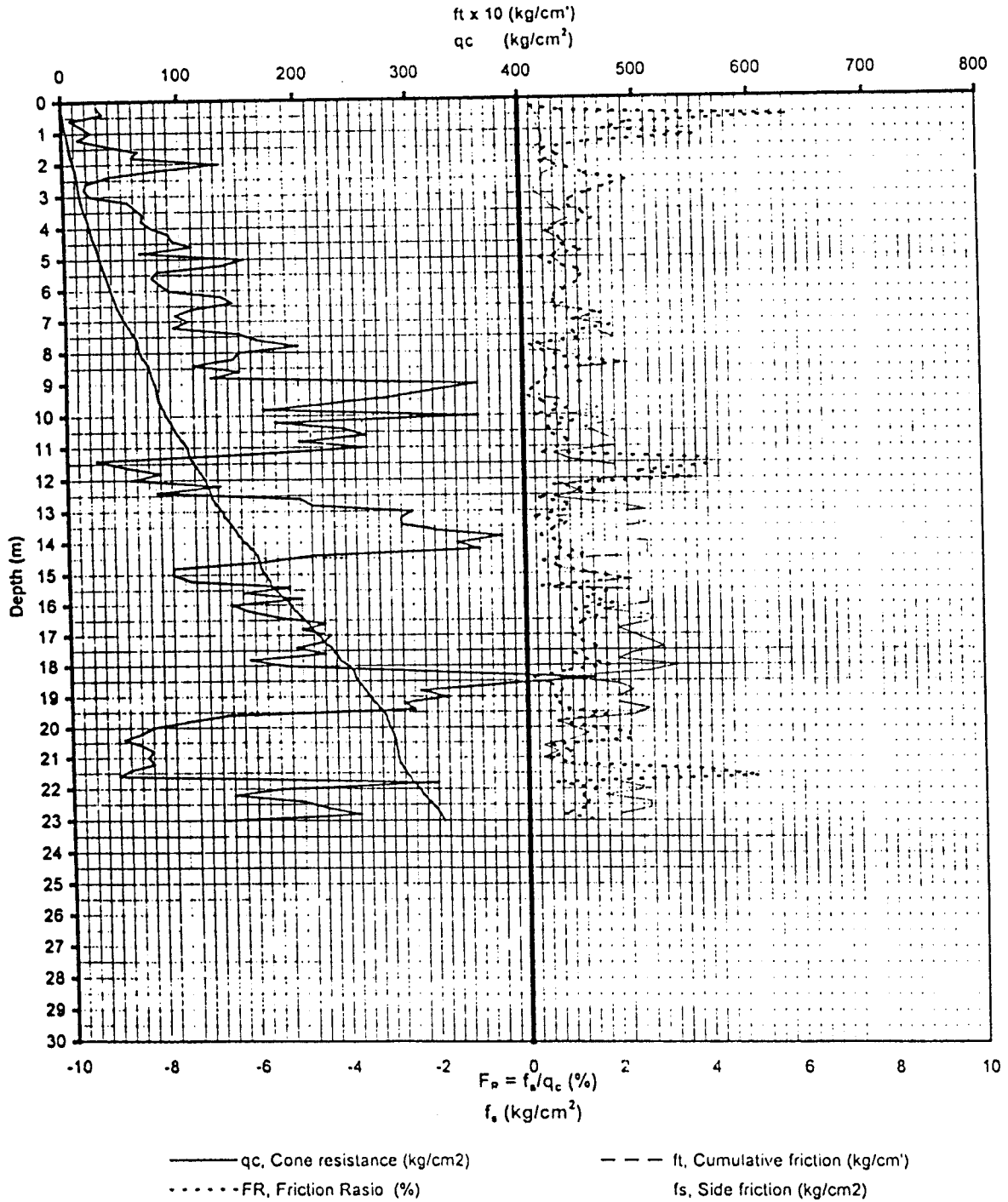


——— q_c , Cone resistance (kg/cm^2)
 - - - f_t , Cumulative friction (kg/cm^2)
 F_R , Friction Ratio (%)
 - - - f_s , Side friction (kg/cm^2)

CONE PENETRATION TEST (10 TON)

Project : RS. BETHESDA
 Location : Jl. Jenderal Sudirman, Jogja
 Test no. : SB-2
 Elevation : + 99.71 m

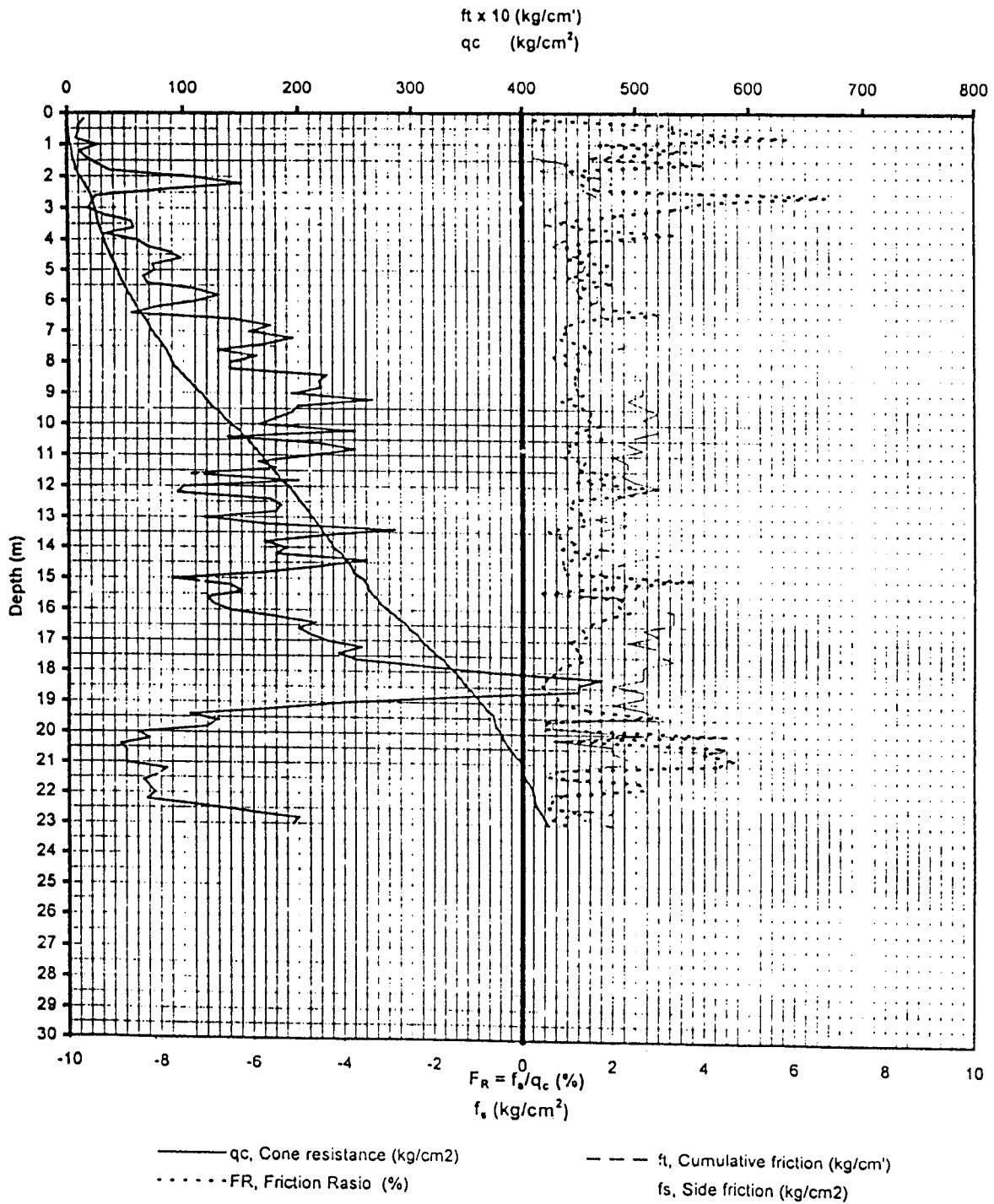
Weather : Panas
 Date : 16/17-4-03
 Tested by : Kwo



CONE PENETRATION TEST (10 TON)

Project : RS. BETHESDA
 Location : Jl. Jenderal Sudirman, Jogja
 Test no. : SB-4
 Elevation : + 99.70 m

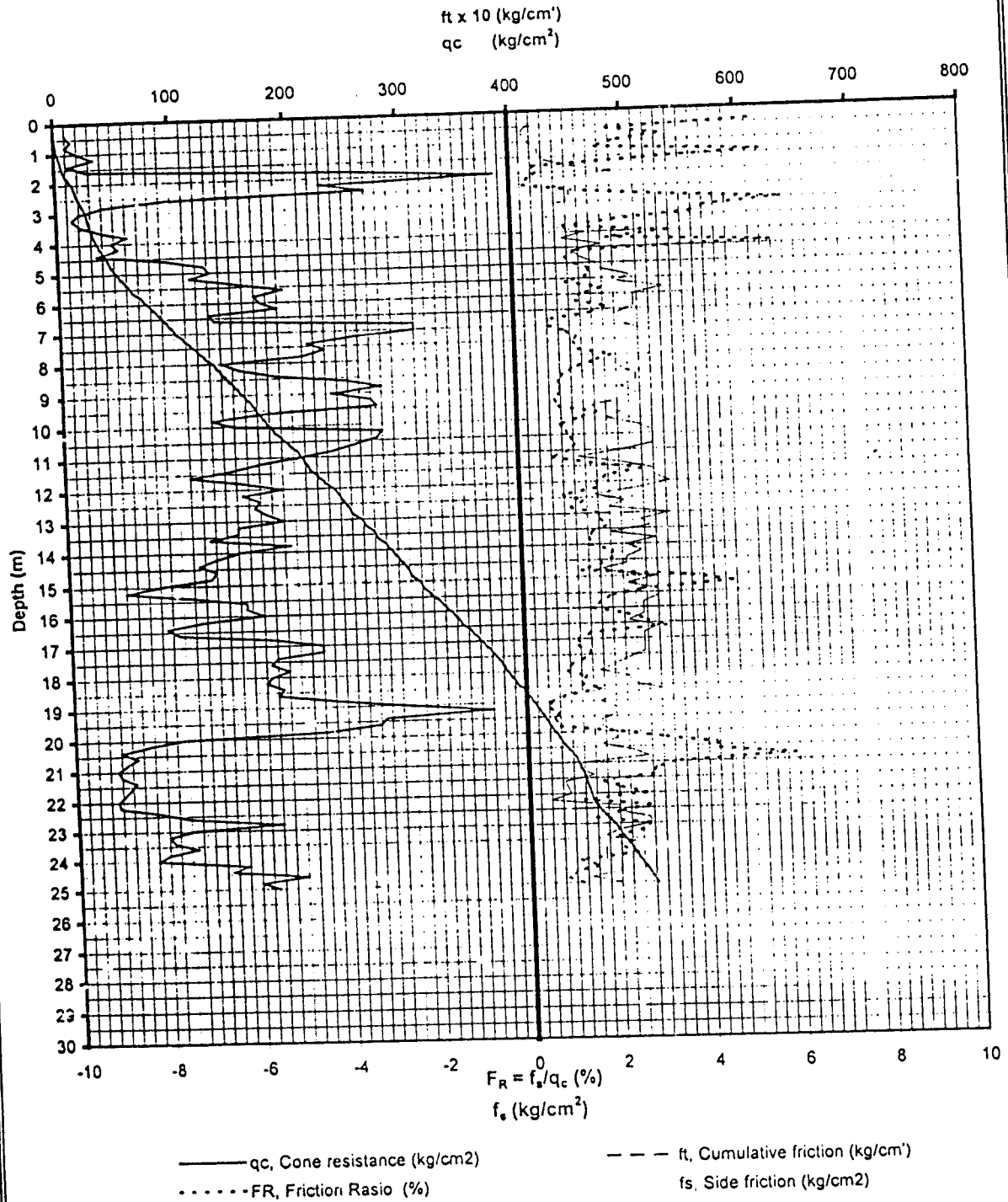
Weather : Panas
 Date : 17-4-03
 Tested by : Kwo



CONE PENETRATION TEST (10 TON)

Project : RS. BETHESDA
 Location : Jl. Jenderal Sudirman, Jogja
 Test no. : SB-5
 Elevation : + 99.63 m

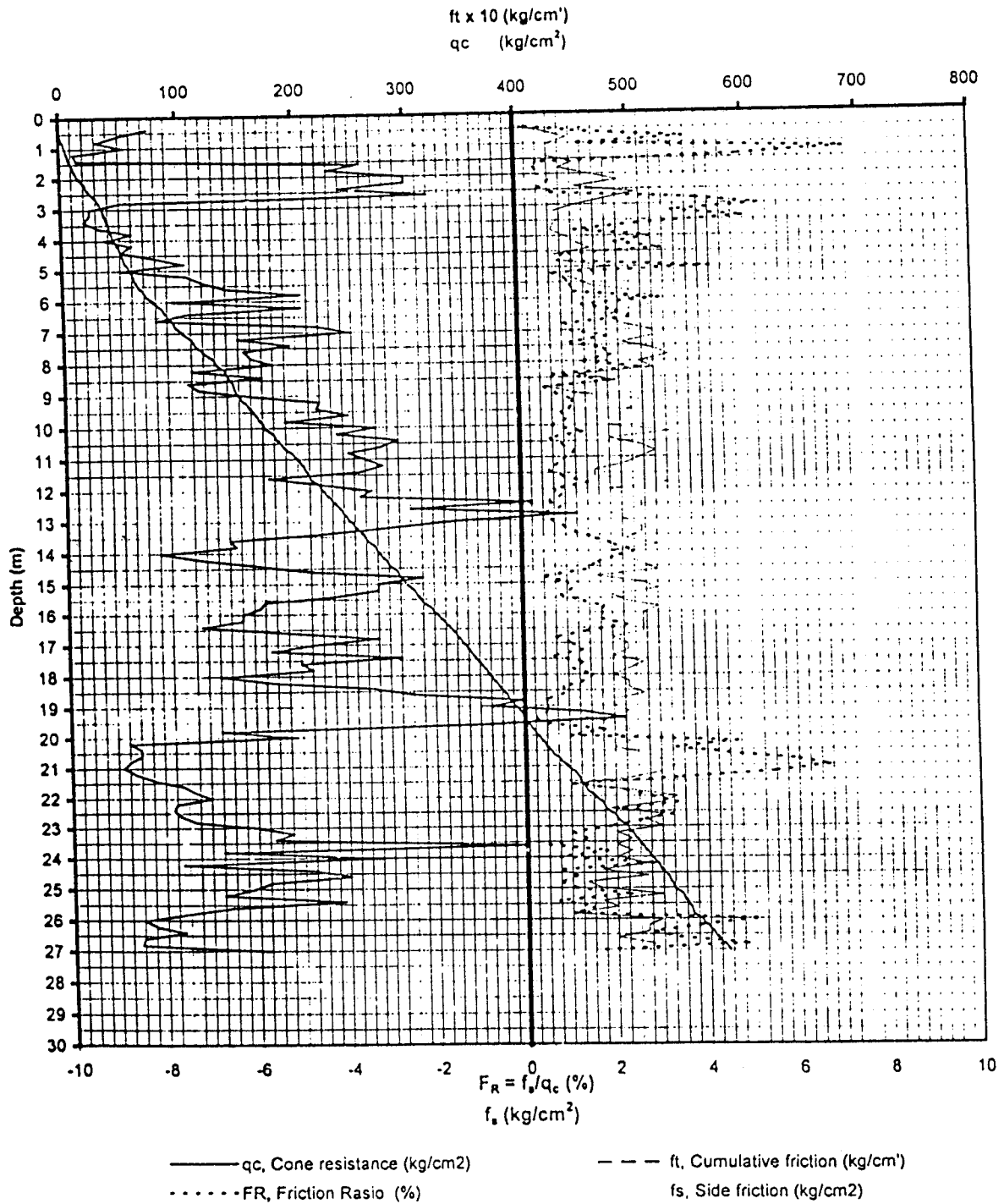
Weather : Panas
 Date : 23-4-03
 Tested by : Kwo



CONE PENETRATION TEST (10 TON)

Project : RS. BETHESDA
 Location : Jl. Jenderal Sudirman, Jogja
 Test no. : SB-6
 Elevation : + 99.62 m

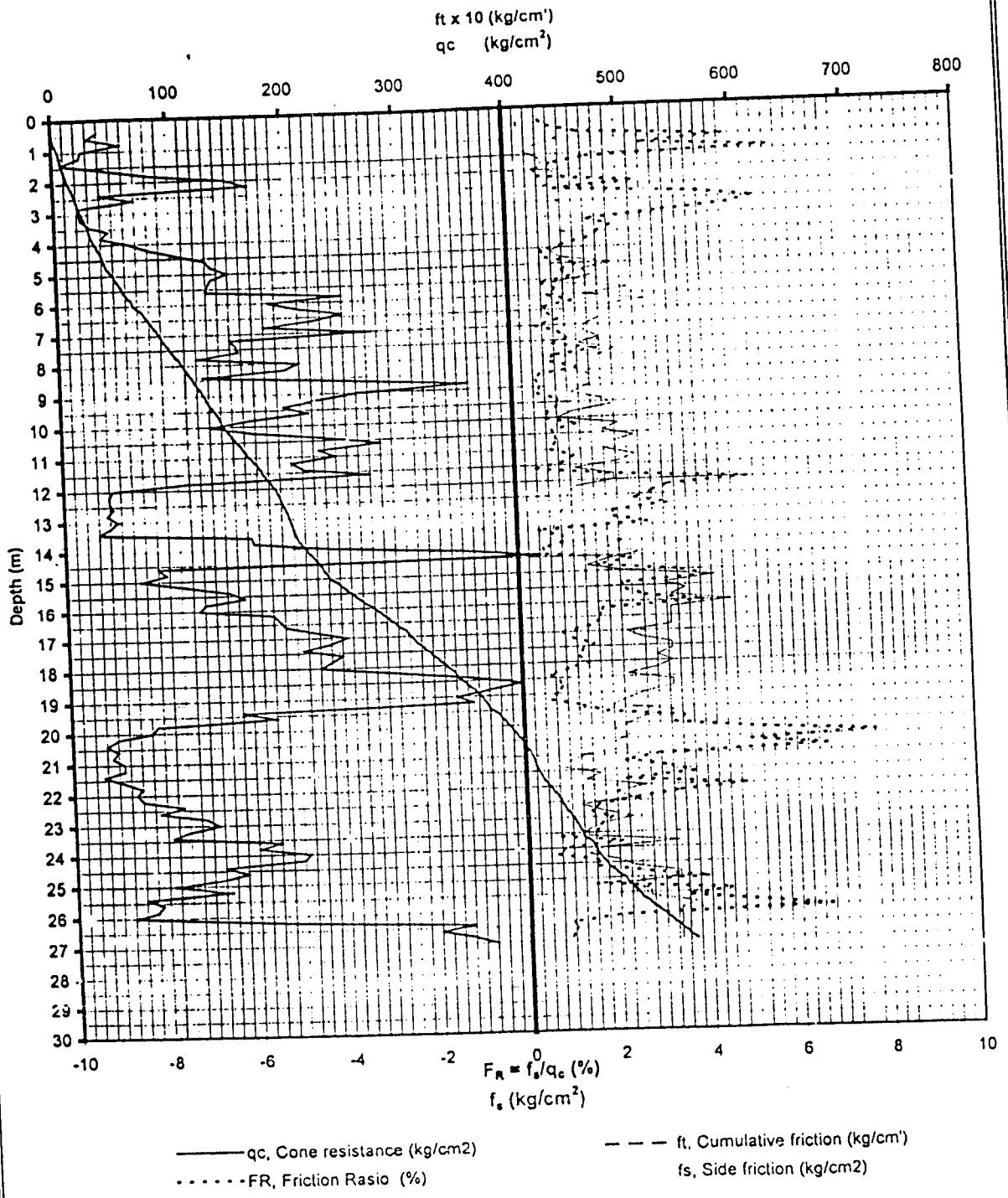
Weather : Baik
 Date : 21/22-4-03
 Tested by : Kwo



CONE PENETRATION TEST (10 TON)

Project : RS. BETHESDA
 Location : Jl. Jenderal Sudirman, Jogja
 Test no. : SB-7
 Elevation : + 99.57 m

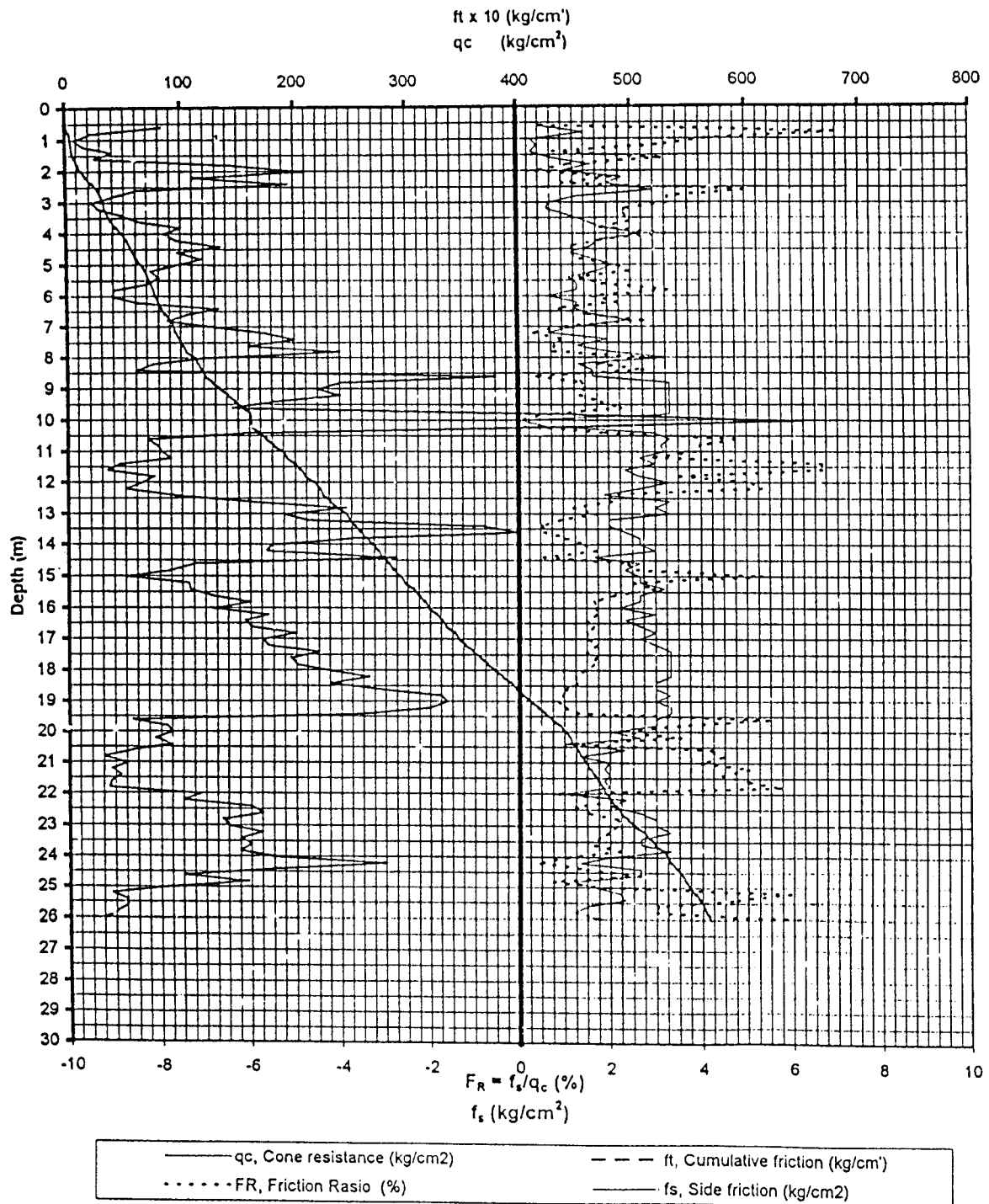
Weather : Panas
 Date : 20-4-03
 Tested by : Kwo



CONE PENETRATION TEST (10 TON)

Project : RS. BETHESDA
 Location : Jl. Jenderal Sudirman, Jogja
 Test no. : SB-8
 Elevation : + 99.58 m







Weather : Panas
 Date : 24-4-03
 Tested by : Kwo



BORE-HOLE LOG (HAND AUGER)

Project : R.S. BETHESDA
 Location : Jl. Sudirman, Jogjakarta
 Test no. : BH 1 (SB 1)
 Elevation : + 99,73 m

Weather : Panas
 Date : 16-4-2003
 Tested by : Kwo
 Water level :

Scale (m)	Depth (m)	Log	Description of Soil	Sample	Water Table (m)	Note
1.00	1.30		Pasir halus lanau coklat			
2.00	2.50		Pasir sedang berkerikil lanau coklat			
3.00	3.20		Pasir halus sedang lanau coklat			
4.00	4.20		Pasir sedang berkerikil berlanau coklat			
5.00	5.00		Cemented pasir sedang kasar kerikil berlanau coklat			
6.00	6.00		Cemented pasir kasar sedikit berlanau kerikil coklat			
7.00			Akhir pemboran			
8.00						

Remark :

BORE-HOLE LOG (HAND AUGER)

Project : R.S. BETHESDA
 Location : Jl. Sudirman, Jogjakarta
 Test no. : BH 2 (SB 3)
 Elevation : + 99,75 m

Weather : Panas
 Date : 17-4-2003
 Tested by : Kwo
 Water level :















Scale (m)	Depth (m)	Log	Description of Soil	Sample	Water Table (m)	Note
	0.80		Lanau berpasir halus sedang sedikit kerikil coklat			
1.00			Pasir sedang berkerikil lanau coklat			
2.00	2.60		Pasir sedang berkerikil lanau coklat			
3.00			Pasir sedang berkerikil lanau coklat			
4.00	3.80		Pasir halus berlanau coklat			
	4.50		Pasir halus berlanau coklat			
5.00			Pasir sedang kasar berkerikil sedikit berlanau coklat			
	5.50		Pasir sedang kasar berkerikil sedikit berlanau coklat			
6.00	6.00		Cemented pasir sedikit berkerikil, sedikit berlanau coklat			
			Akhir pemboran			
7.00						
8.00						

Remark :

BORE-HOLE LOG (HAND AUGER)

Project : R.S. BETHESDA
 Location : Jl. Sudirman, Jogjakarta
 Test no. : BH 3 (SB 5)
 Elevation : + 99,63 m

Weather : Panas
 Date : 19-4-2003
 Tested by : Kwo
 Water level :

Scale (m)	Depth (m)	Log	Description of Soil	Sample	Water Table (m)	Note
	0.10		Paving			
	0.80		Pasir sedang kerikil batu-batu berlanau coklat			
1.00			Cemented pasir sedang berlanau coklat, sedikit berkerikil			
2.00						
	2.60					
3.00			Pasir halus berlanau coklat			
	3.60					
4.00			Pasir halus sedang berlanau coklat			
	4.50					
5.00			Cemented pasir halus sedang berlanau coklat, keabu-abuan sedikit berkerikil			
	6.00					
			Akhir pemboran			
7.00						
8.00						

Remark :

BORE-HOLE LOG

(HAND AUGER)

Project : R.S. BETHESDA
 Location : Jl. Sudirman, Jogjakarta
 Test no. : BH 4 (SB 7)
 Elevation : + 99,57 m

Weather : Panas
 Date : 20-4-2003
 Tested by : Kwo
 Water level :

Scale (m)	Depth (m)	Log	Description of Soil	Sample	Water Table (m)	Note
	0.10	X X X X	Paving			
	0.50	O O O O	Pasir lanau batu-batu (urug)			
1.00		x x x x	Pasir sedang berlanau berkerikil coklat	█		
2.00		x x x x				
3.00	2.80	x x x x	Lanau pasir coklat kehitaman	█		
4.00	3.40	x x x x	Pasir halus sedang berlanau coklat			
5.00	4.00	x x x x	Pasir halus sedang berlanau coklat keabu-abuan	█		
6.00		x x x x				
7.00	6.00	x x x x	Cemented pasir sedang kerikil berlanau coklat keabu-abuan			
8.00	7.00	X X X X	Akhir pemboran			

Remark :

SOIL MECHANICS LABORATORY - CIVIL ENGINEERING DEPARTMENT - GADJAH MADA UNIVERSITY YOGYAKARTA

SUMMARY OF LABORATORY TEST RESULTS

Made by : Ddk
Checked by : Ada

Project : R.S. Belesda
Location : JOGJAKARTA

Test Point No	Depth m	Moisture content w_p , %	Specific Gravity G_s	Liquid Limit LL, %	Plastic Limit PL, %	Plasticity Index PI, %	Liquid Limit Index LI	Shrinkage Limit SL, %	Void Ratio e	Degree of Saturation S_r , %	Finer # 200 %	Coef. of Gradation		γ		Strength Parameters		
												Cc	Cu	Bulk density, g/cm ³	Dry density, g/cm ³	ϕ°	direct shear c kg/cm ²	
BH-01	2,00	21,34	2,74		NON PLASTIC			-	1,05	55,57	11,71	1,48	16,27	SW	1,62	1,34	38,86	0,01
BH-01	3,20	8,48	2,74		NON PLASTIC			-	0,93	24,98	1,69	0,89	5,06	SP	1,54	1,42	34,93	0,03
BH-01	5,00	8,30	2,80		NON PLASTIC			-	0,84	27,74	8,46	1,45	7,98	SW	1,65	1,52	36,66	0,04
BH-02	1,00	23,42	2,70		NON PLASTIC			-	0,92	69,10	25,41	-	-	SM	1,74	1,41	34,02	0,01
BH-03	1,00	24,76	2,67		NON PLASTIC			-	0,90	73,17	34,58	-	-	SM	1,75	1,40	36,03	0,01
BH-03	5,00	10,13	2,49		NON PLASTIC			-	0,75	33,78	3,70	1,06	5,39	SP	1,57	1,43	36,66	0,04
BH-04	3,00	34,42	2,67		NON PLASTIC			-	1,44	63,75	34,30	-	-	SM	1,47	1,09	29,83	0,10

NOTE : Cc and Cu if only finer #200 less than 12 %

WATER CONTENT DETERMINATION

Project : Rumah Sakit Betesda
 Location : Jogjakarta
 Boring no. : BH 1

Depth : 2,00 m
 Date : 29-4-2003
 Made by : Ris

		1	2
1	Can no.		
2	Mass of can	M ₁ gram	31,39
3	Mass of wet soil + can	M ₂ gram	146,45
4	Mass of dry soil + can	M ₃ gram	121,36
5	Mass of moisture	(M ₂ -M ₃) gram	25,09
6	Mass of dry soil	(M ₃ -M ₁) gram	89,97
7	Water content, w	$[(M_2-M_3)/(M_3-M_1)] \times 100\%$	27,89
8	Average water content, w		21,34

WATER CONTENT DETERMINATION

Project : Rumah Sakit Betesda
 Location : Jogjakarta
 Boring no. : BH 1

Depth : 3,20 m
 Date : 29-4-2003
 Made by : Ris

		1	2
1	Can no.		
2	Mass of can	M ₁ gram	22,29 21,15
3	Mass of wet soil + can	M ₂ gram	154 145,24
4	Mass of dry soil + can	M ₃ gram	145,09 134,27
5	Mass of moisture	(M ₂ -M ₃) gram	8,91 10,97
6	Mass of dry soil	(M ₃ -M ₁) gram	122,8 113,12
7	Water content, w	$[(M_2-M_3)/(M_3-M_1)] \times 100\%$	7,26 9,70
8	Average water content, w	8,48	

WATER CONTENT DETERMINATION

Project : Rumah Sakit Betesda
 Location : Jogjakarta
 Boring no. : BH 1

Depth : 5,00 m
 Date : 29-4-2003
 Made by : Ris

1	Can no.		1	2
2	Mass of can	M ₁ gram	21,69	21,01
3	Mass of wet soil + can	M ₂ gram	159,47	167,2
4	Mass of dry soil + can	M ₃ gram	150,09	154,76
5	Mass of moisture	(M ₂ -M ₃) gram	9,38	12,44
6	Mass of dry soil	(M ₃ -M ₁) gram	128,4	133,75
7	Water content, w	$[(M_2-M_3)/(M_3-M_1)] \times 100\%$	7,31	9,30
8	Average water content, w		8,30	

WATER CONTENT DETERMINATION

Project : Rumah Sakit Betesda
 Location : Jogjakarta
 Boring no. : BH 2

Depth : 1,00 m
 Date : 29-4-2003
 Made by : Ris

		1	2
1	Can no.		
2	Mass of can	20,82	21,01
3	Mass of wet soil + can	137,2	141,87
4	Mass of dry soil + can	114,86	119,21
5	Mass of moisture	22,34	22,66
6	Mass of dry soil	94,04	98,2
7	Water content, w	23,76	23,08
8	Average water content, w	23,42	

WATER CONTENT DETERMINATION

Project : Rumah Sakit Betesda
 Location : Jogjakarta
 Boring no. : BH 3

Depth : 1,00 m
 Date : 29-4-2003
 Made by : Ris

		1	2
1	Can no.		
2	Mass of can	M ₁ gram	21,1 20,25
3	Mass of wet soil + can	M ₂ gram	136,58 139,43
4	Mass of dry soil + can	M ₃ gram	113,83 115,61
5	Mass of moisture	(M ₂ -M ₃) gram	22,75 23,82
6	Mass of dry soil	(M ₃ -M ₁) gram	92,73 95,36
7	Water content, w	$[(M_2-M_3)/(M_3-M_1)] \times 100\%$	24,53 24,98
8	Average water content, w		24,76

WATER CONTENT DETERMINATION

Project : Rumah Sakit Betesda
 Location : Jogjakarta
 Boring no. : BH 3

Depth : 5,00 m
 Date : 29-4-2003
 Made by : Ris

		1	2
1	Can no.		
2	Mass of can	M ₁ gram 20,7	21,77
3	Mass of wet soil + can	M ₂ gram 148,58	154,3
4	Mass of dry soil + can	M ₃ gram 137,67	141,23
5	Mass of moisture	(M ₂ -M ₃) gram 10,91	13,07
6	Mass of dry soil	(M ₃ -M ₁) gram 116,97	119,46
7	Water content, w	$[(M_2-M_3)/(M_3-M_1)] \times 100\%$ 9,33	10,94
8	Average water content, w	10,13	

WATER CONTENT DETERMINATION

Project : Rumah Sakit Belesda
 Location : Jogjakarta
 Boring no. : BH 4

Depth : 3,00 m
 Date : 29-4-2003
 Made by : Ris

1	Can no.		1	2
2	Mass of can	M ₁ gram	20,63	21,6
3	Mass of wet soil + can	M ₂ gram	124,54	128,64
4	Mass of dry soil + can	M ₃ gram	97,8	101,37
5	Mass of moisture	(M ₂ -M ₃) gram	26,74	27,27
6	Mass of dry soil	(M ₃ -M ₁) gram	77,17	79,77
7	Water content, w	$[(M_2-M_3)/(M_3-M_1)] \times 100\%$	34,65	34,19
8	Average water content, w		34,42	

SPECIFIC GRAVITY

Project : Rumah Sakit Batesda
 Location : Jogjakarta
 Boring no. : BH 1

Depth : 2,00 m
 Date : 30 April 2003
 Made by : Ris

1	Piknometer no.		1	2
2	Mass of piknometer	M_1 gram	26,11	33,20
3	Mass of dry soil + piknometer	M_2 gram	51,38	55,91
4	Mass of dry soil + water + piknometer	M_3 gram	92,20	97,18
5	Mass of water + piknometer	M_4 gram	76,15	82,75
6	Temperature $t^\circ\text{C}$		28,80	
7	$A = M_2 - M_1$		25,27	22,71
8	$B = M_3 - M_4$		16,05	14,43
9	$C = A - B$		9,22	8,28
10	Specific Gravity, $G_1 = A/C$		2,74	2,74
11	Average specific gravity, G_1		2,74	
12	G_{water} at $t^\circ\text{C}$		0,9960	
13	G for $27,5^\circ\text{C} = G = (G_{\text{water}} \text{ at } t^\circ\text{C}) / (G_{\text{water}} \text{ at } 27,5^\circ\text{C})$		2,74	

SPECIFIC GRAVITY

Project : Rumah Sakit Batesda
 Location : Jogjakarta
 Boring no. : BH 1

Depth : 3,20 m
 Date : 30 April 2003
 Made by : Ris

		1	2
1	Piknometer no.		
2	Mass of piknometer	M ₁ gram	24,55
3	Mass of dry soil + piknometer	M ₂ gram	55,04
4	Mass of dry soil + water + piknometer	M ₃ gram	93,19
5	Mass of water + piknometer	M ₄ gram	73,83
6	Temperature t°C	28,80	
7	A = M ₂ - M ₁	30,49	27,73
8	B = M ₃ - M ₄	19,36	17,62
9	C = A - B	11,13	10,11
10	Specific Gravity, G ₁ = A/C	2,74	2,74
11	Average specific gravity, G ₁	2,74	
12	G _{water} at t°C	0,9960	
13	G for 27,5 °C = G = (G _{water} at t°C)/(G _{water} at 27.5°C)	2,74	

SPECIFIC GRAVITY

Project : Rumah Sakit Batesda
 Location : Jogjakarta
 Boring no. : BH 1

Depth : 5,00 m
 Date : 30 April 2003
 Made by : Ris

1	Piknometer no.		1	2
2	Mass of piknometer	M ₁ gram	30,02	30,69
3	Mass of dry soil + piknometer	M ₂ gram	59,92	60,06
4	Mass of dry soil + water + piknometer	M ₃ gram	99,08	99,78
5	Mass of water + piknometer	M ₄ gram	79,87	80,89
6	Temperature t°C		28,80	
7	A = M ₂ - M ₁		29,90	29,37
8	B = M ₃ - M ₄		19,21	18,89
9	C = A - B		10,69	10,48
10	Specific Gravity, G ₁ = A/C		2,80	2,80
11	Average specific gravity, G ₁		2,80	
12	G _{water} at t°C		0,9960	
13	G for 27,5 °C = G = (G _{water} at t°C)/(G _{water} at 27,5°C)		2,80	

SPECIFIC GRAVITY

Project : Rumah Sakit Batesda
 Location : Jogjakarta
 Boring no. : BH 2

Depth : 1,00 m
 Date : 30 April 2003
 Made by : Ris

1	Piknometer no.		1	2
2	Mass of piknometer	M ₁ gram		29,98
3	Mass of dry soil + piknometer	M ₂ gram		48,73
4	Mass of dry soil + water + piknometer	M ₃ gram		91,98
5	Mass of water + piknometer	M ₄ gram		80,17
6	Temperature t°C		28,80	
7	A = M ₂ - M ₁			18,75
8	B = M ₃ - M ₄			11,81
9	C = A - B			6,94
10	Specific Gravity, G ₁ = A/C			2,70
11	Average specific gravity, G ₁		2,70	
12	G _{water} at t°C		0,9960	
13	G for 27,5 °C = G = (G _{water} at t°C)/(G _{water} at 27.5°C)		2,70	

SPECIFIC GRAVITY

Project : Rumah Sakit Batesda
 Location : Jogjakarta
 Boring no. : BH 3

Depth : 1,00 m
 Date : 30 April 2003
 Made by : Ris

			1	2
1	Piknometer no.			
2	Mass of piknometer	M ₁ gram	26,29	30,70
3	Mass of dry soil + piknometer	M ₂ gram	44,99	51,09
4	Mass of dry soil + water + piknometer	M ₃ gram	85,02	93,25
5	Mass of water + piknometer	M ₄ gram	74,35	80,48
6	Temperature t°C		28,80	
7	A = M ₂ - M ₁		18,70	20,39
8	B = M ₃ - M ₄		11,67	12,77
9	C = A - B		7,03	7,62
10	Specific Gravity, G ₁ = A/C		2,66	2,68
11	Average specific gravity, G ₁		2,67	
12	G _{water} at t°C		0,9960	
13	G for 27,5 °C = G = (G _{water} at t°C)/(G _{water} at 27.5°C)		2,67	

SPECIFIC GRAVITY

Project : Rumah Sakit Batesda
 Location : Jogjakarta
 Boring no. : BH 3

Depth : 5,00 m
 Date : 30 April 2003
 Made by : Ris

1	Piknometer no.		1	2
2	Mass of piknometer	M ₁ gram	25,86	31,65
3	Mass of dry soil + piknometer	M ₂ gram	51,30	56,55
4	Mass of dry soil + water + piknometer	M ₃ gram	91,67	96,64
5	Mass of water + piknometer	M ₄ gram	75,93	80,87
6	Temperature t°C		28,80	
7	A = M ₂ - M ₁		25,44	24,90
8	B = M ₃ - M ₄		15,74	15,77
9	C = A - B		9,70	9,13
10	Specific Gravity, G ₁ = A/C		2,62	2,73
11	Average specific gravity, G ₁		2,67	
12	G _{water} at t°C		0,9960	
13	G for 27,5 °C = G = (G _{water} at t°C)/(G _{water} at 27.5°C)		2,67	

SPECIFIC GRAVITY

Project : Rumah Sakit Batesda
 Location : Jogjakarta
 Boring no. : BH 4

Depth : 3,00 m
 Date : 30 April 2003
 Made by : Ris

1	Piknometer no.		1	2
2	Mass of piknometer	M ₁ gram	28,93	30,93
3	Mass of dry soil + piknometer	M ₂ gram	45,08	47,22
4	Mass of dry soil + water + piknometer	M ₃ gram	88,35	90,71
5	Mass of water + piknometer	M ₄ gram	78,94	80,70
6	Temperature t°C		28,80	
7	A = M ₂ - M ₁		16,15	16,29
8	B = M ₃ - M ₄		9,41	10,01
9	C = A - B		6,74	6,28
10	Specific Gravity, G _s = A/C		2,40	2,59
11	Average specific gravity, G _s		2,50	
12	G _{water} at t°C		0,9960	
13	G for 27,5 °C = G = (G _{water} at t°C)/(G _{water} at 27.5°C)		2,49	

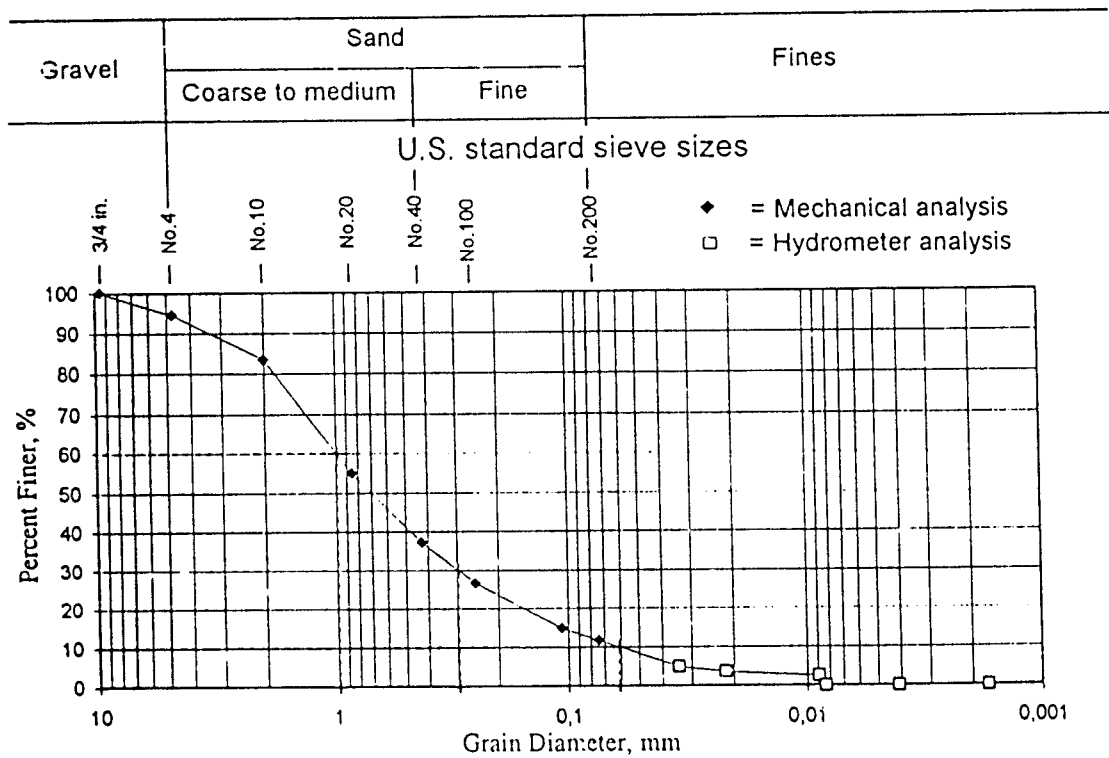
GRAIN SIZE ANALYSIS

Project : Rumah Sakit Batesda
 Location : Jogjakarta
 No. : BH 1

Depth : 2,00 m
 Date : 30 April 2003
 Made by : Ris

Specific Gravity 2,74

Description of soil _____



Finer # 200 = 11,71 %
 Gravel = 5,46 %
 Sand = 82,83 %
 Silt/Clay = 11,71 %

D ₁₀	D ₃₀	D ₆₀	C _u = D ₆₀ /D ₁₀	C _c = (D ₃₀) ² / (D ₁₀ × D ₆₀)
0,061	0,299	0,990	16,27	1,48

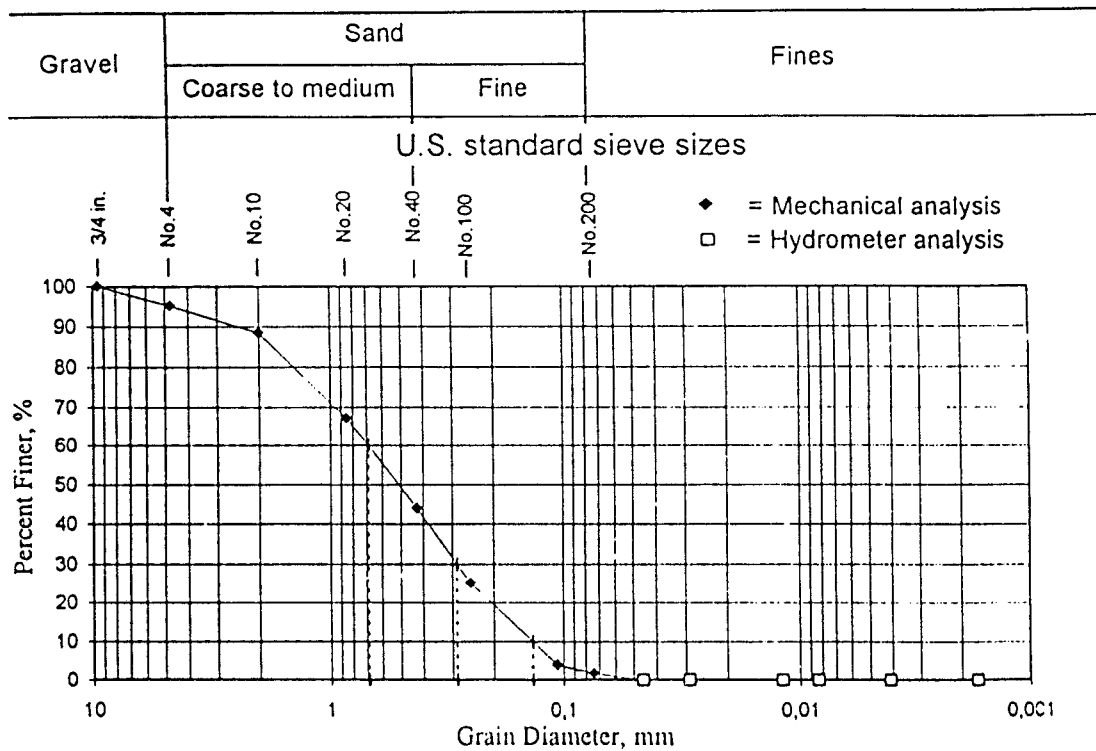
GRAIN SIZE ANALYSIS

Project : Rumah Sakit Batesda
 Location : Jogjakarta
 No. : BH 1

Depth : 3,20 m
 Date : 30 April 2003
 Made by : Ris

Specific Gravity 2,74

Description of soil _____



Finer # 200 = 1,69 %
 Gravel = 4,90 %
 Sand = 93,41 %
 Silt/Clay = 1,69 %

D ₁₀	D ₃₀	D ₆₀	C _u = D ₆₀ /D ₁₀	C _c = (D ₃₀) ² / (D ₁₀ × D ₆₀)
0,136	0,288	0,688	5,06	0,89

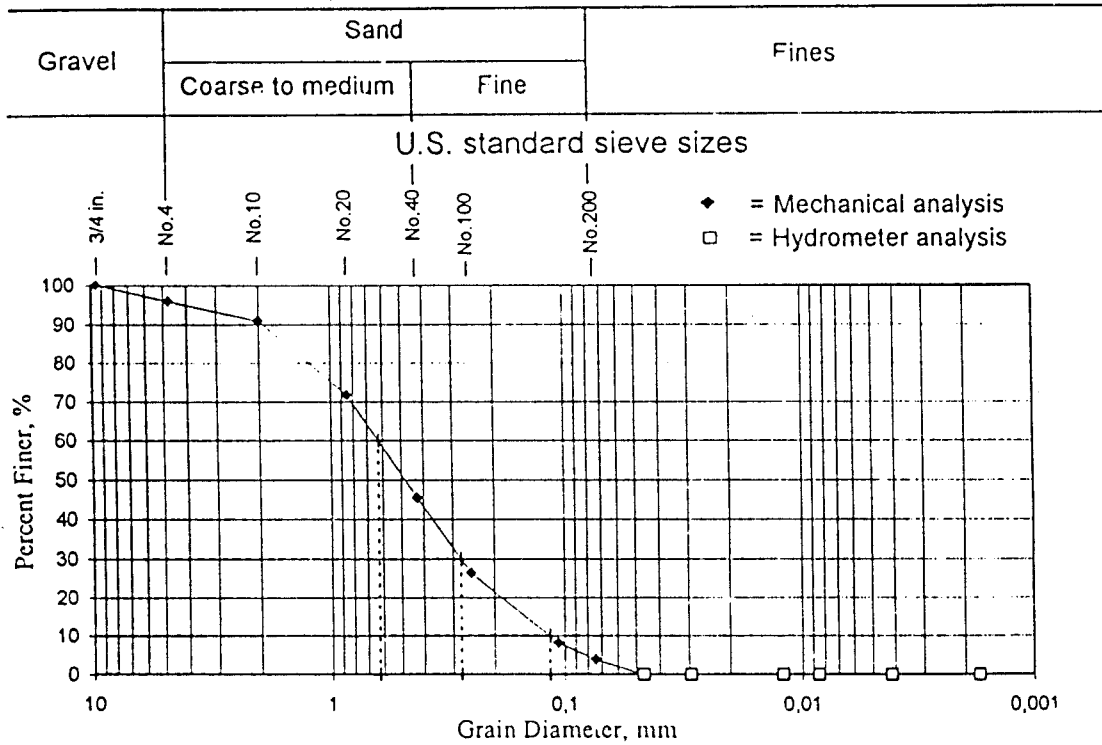
GRAIN SIZE ANALYSIS

Project : Rumah Sakit Batesda
 Location : Jogjakarta
 No. : BH 3

Depth : 5,00 m
 Date : 02 Mei 2003
 Made by : Ris

Specific Gravity 2,67

Description of soil _____



Finer # 200 = 3,70 %

Gravel = 4,17 %

Sand = 92,13 %

Silt/Clay = 3,70 %

D_{10}	D_{30}	D_{60}	$C_u = D_{60}/D_{10}$	$C_c = (D_{30})^2 / (D_{10} \times D_{60})$
0,116	0,277	0,625	5,39	1,06

GRAIN SIZE ANALYSIS

Project : Rumah Sakit Batesda
 Location : Jogjakarta
 No. : BH I

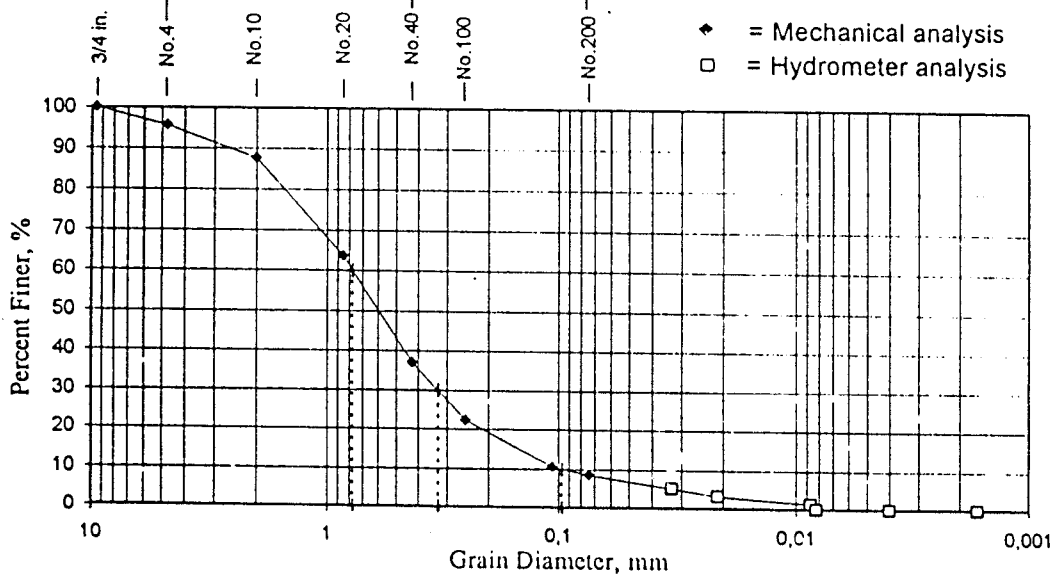
Depth : 5,00 m
 Date : 30 April 2003
 Made by : Ris

Specific Gravity 2,80

Description of soil _____

Gravel	Sand		Fines
	Coarse to medium	Fine	

U.S. standard sieve sizes



Finer # 200 = 8,46 %
 Gravel = 4,35 %
 Sand = 87,18 %
 Silt/Clay = 8,46 %

D ₁₀	D ₃₀	D ₆₀	C _u = D ₆₀ /D ₁₀	C _c = (D ₃₀) ² / (D ₁₀ × D ₆₀)
0,097	0,330	0,774	7,98	1,45

GRAIN SIZE ANALYSIS

Project : Rumah Sakit Batesda
 Location : Jogjakarta
 No. : BH 2

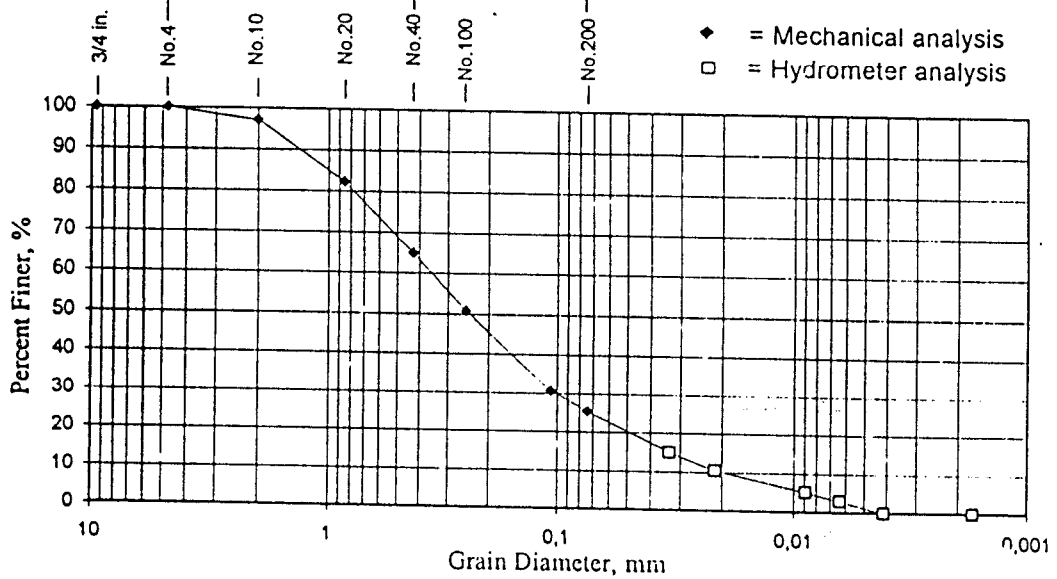
Depth : 1,00 m
 Date : 30 April 2003
 Made by : Ris

Specific Gravity 2,70

Description of soil _____

Gravel	Sand		Fines
	Coarse to medium	Fine	

U.S. standard sieve sizes



Finer # 200 = 25,41 %

Gravel = 0,00 %

Sand = 74,59 %

Silt/Clay = 25,41 %

D ₁₀	D ₃₀	D ₆₀	C _u = D ₆₀ /D ₁₀	C _c = (D ₃₀) ² /(D ₁₀ × D ₆₀)
-	-	-	-	-

GRAIN SIZE ANALYSIS

Project : Rumah Sakit Batesda
 Location : Jogjakarta
 No. : BH 3

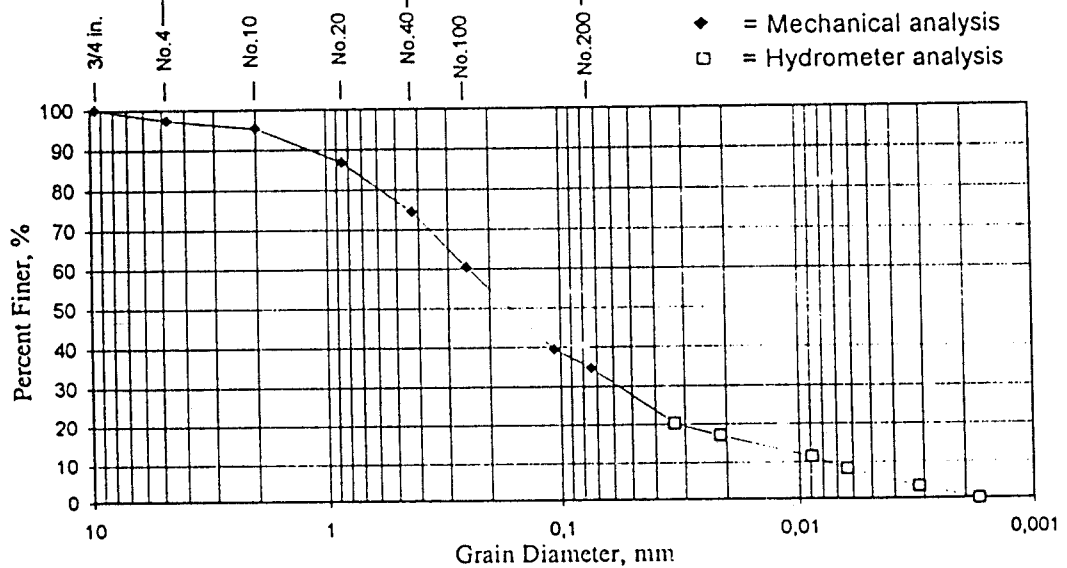
Depth : 1.00 m
 Date : 30 April 2003
 Made by : Ris

Specific Gravity 2,67

Description of soil _____

Gravel	Sand		Fines
	Coarse to medium	Fine	

U.S. standard sieve sizes



Finer # 200 = 34,58 %
 Gravel = 2,71 %
 Sand = 62,71 %
 Silt/Clay = 34,58 %

D ₁₀	D ₃₀	D ₆₀	C _u = D ₆₀ /D ₁₀	C _c = (D ₃₀) ² / (D ₁₀ × D ₆₀)
-	-	-	-	-

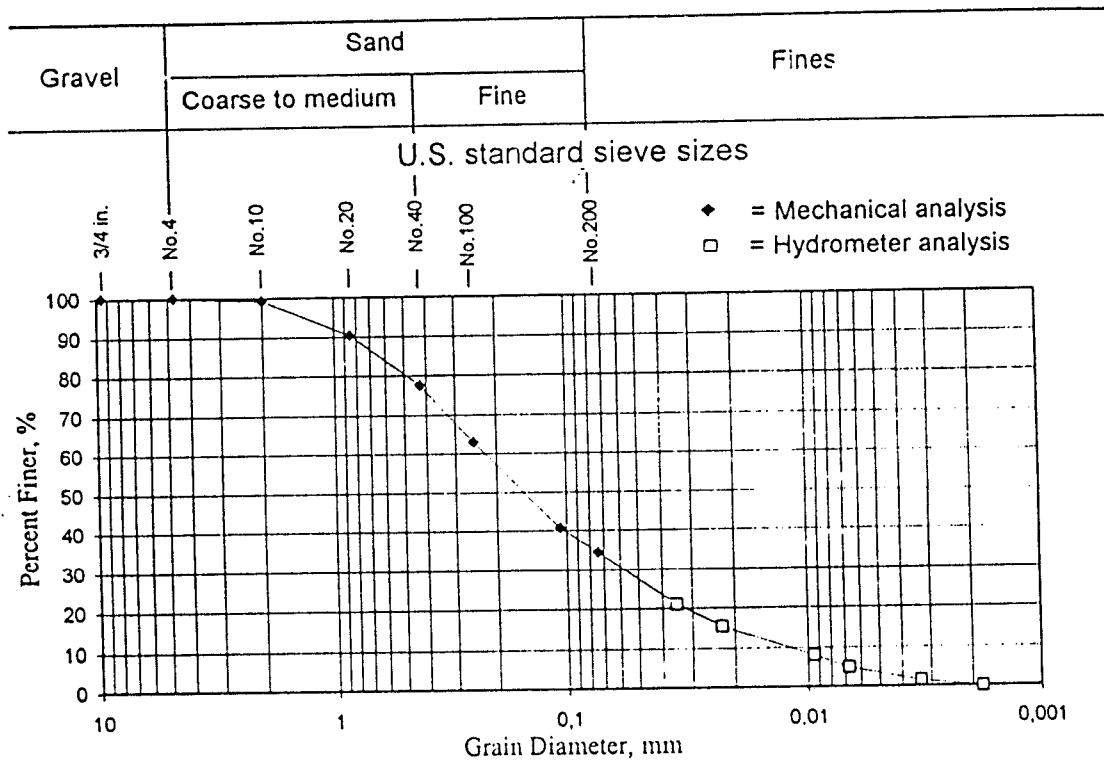
GRAIN SIZE ANALYSIS

Project : Rumah Sakit Batesda
 Location : Jogjakarta
 No. : BH 4

Depth : 3,00 m
 Date : 30 April 2003
 Made by : Ris

Specific Gravity 2,49

Description of soil _____



Finer # 200 = 34,30 %

Gravel = 0,00 %

Sand = 65,70 %

Silt/Clay = 34,30 %

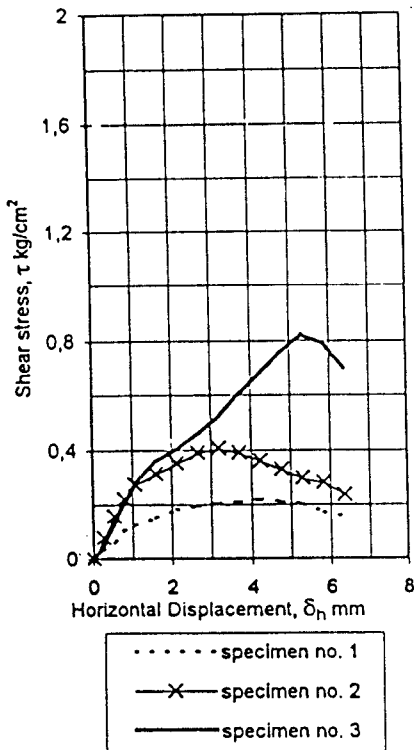
D ₁₀	D ₃₀	D ₆₀	C _u = D ₆₀ /D ₁₀	C _c = (D ₃₀) ² / (D ₁₀ × D ₆₀)
-	-	-	-	-

DIRECT SHEAR TEST

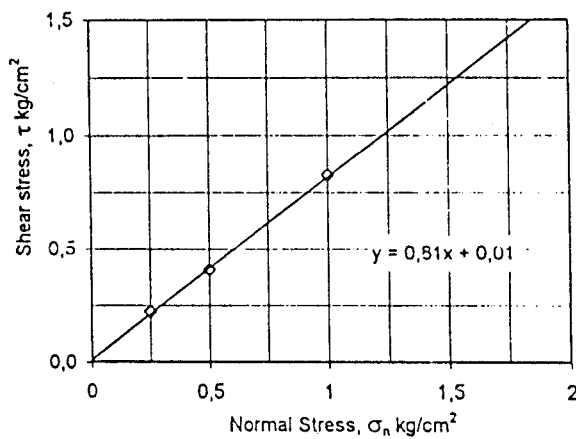
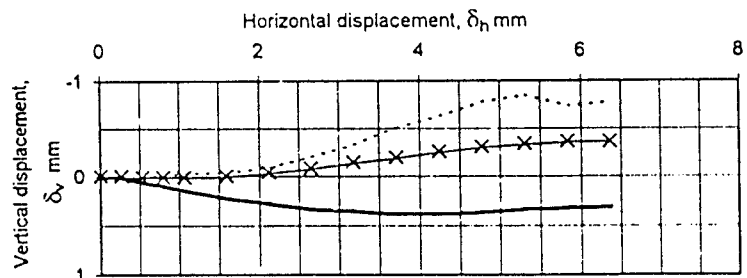
Project : Rumah Sakit Batesda
 Location : Jogjakarta
 Boring No. : BH 1

Depth : 2,00 m
 Date : 29 April 2003
 Made by : Kwo

Description of soil : _____
 Dimensions of sample :
 Diameter = 6,35 cm
 Area = 31,67 cm²
 Ht. = 1,90 cm
 Volume = 60,17 cm³
 Loading rate = 1.06 mm/minute



Test condition : UU/GU/CD				
Specimen no.		1	2	3
Mass of soil + ring	g	244,22	183,38	193,84
Mass of ring	g	143,40	84,41	86,61
Mass of soil	g	100,82	98,97	107,23
Initial water content	w _N (%)	21,34		
Bulk density	γ_b (g/cm ³)	1,59	1,56	1,69
Dry density	γ_d (g/cm ³)	1,31	1,29	1,40
Final water content	w _N (%)	29,95		
Normal stress	σ_n (kg/cm ²)	0,25	0,50	1,00
Shear stress at failure	τ (kg/cm ²)	0,22	0,41	0,82
Shear displacement at failure	δ_h (%)	6,68	5,01	8,35



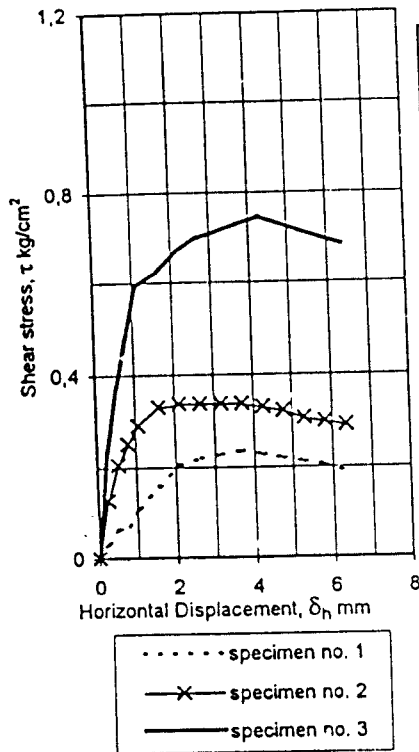
Angle of Internal Friction	ϕ =	38,86 °
Cohesion	c =	0,01 kg/cm ²

DIRECT SHEAR TEST

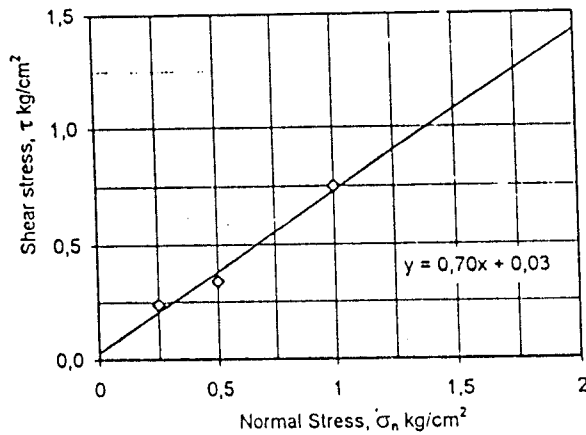
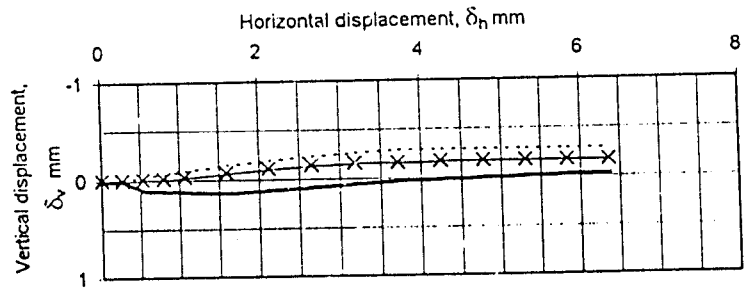
Project : Rumah Sakit Batesda
 Location : Jogjakarta
 Boring No. : BH 1

Depth : 3,20 m
 Date : 1 Mei 2003
 Made by : Kwo

Description of soil : _____
 Dimensions of sample :
 Diameter = 6,35 cm
 Area = 31,67 cm²
 Ht. = 1,90 cm
 Volume = 60,17 cm³
 Loading rate = 1.06 mm/minute



Test condition : UU/CU/CD				
Specimen no.		1	2	3
Mass of soil + ring	g	186,85	181,29	239,57
Mass of ring	g	86,59	84,40	143,38
Mass of soil	g	100,26	96,89	96,19
Initial water content	w _N (%)	8,48		
Bulk density	γ_b (g/cm ³)	1,58	1,53	1,52
Dry density	γ_d (g/cm ³)	1,46	1,41	1,40
Final water content	w _N (%)	35,66		
Normal stress	σ_n (kg/cm ²)	0,25	0,50	1,00
Shear stress at failure	τ (kg/cm ²)	0,24	0,34	0,75
Shear displacement at failure	δ_h (%)	5,84	3,34	6,68



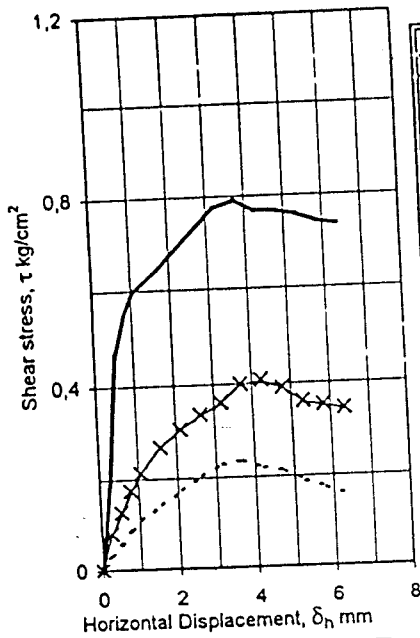
Angle of Internal Friction	ϕ	=	34,93 °
Cohesion	c	=	0,03 kg/cm ²

DIRECT SHEAR TEST

Project : Rumah Sakit Batesda
 Location : Jogjakarta
 Boring No. : BH 1

Depth : 5,00 m
 Date : 1 Mei 2003
 Made by : Kwo

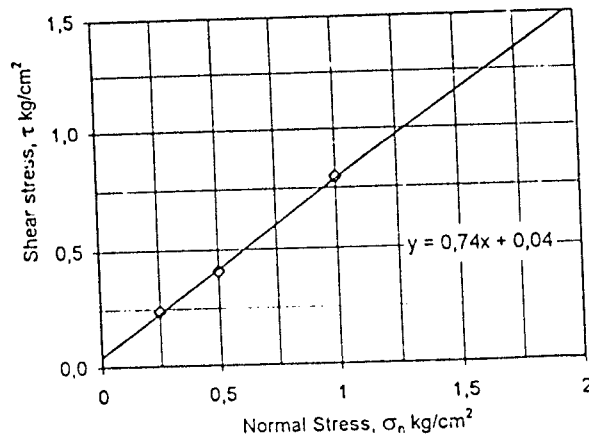
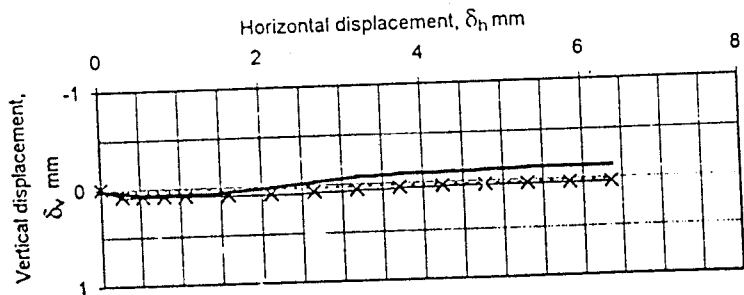
Description of soil : _____
 Dimensions of sample :
 Diameter = 6,35 cm
 Area = 31,67 cm²
 Ht. = 1,90 cm
 Volume = 60,17 cm³
 Loading rate = 1.06 mm/minute



..... specimen no. 1
 —X— specimen no. 2
 — specimen no. 3

Test condition : UU/GU/CD

		1	2	3
Specimen no.		189,98	193,53	244,71
Mass of soil + ring	g	84,40	86,59	143,38
Mass of ring	g	105,58	106,94	101,33
Mass of soil	g			
Initial water content	w_N (%)	8,30		
Bulk density	γ_b (g/cm ³)	1,67	1,69	1,60
Dry density	γ_d (g/cm ³)	1,54	1,56	1,48
Final water content	w_N (%)	29,46		
Normal stress	σ_n (kg/cm ²)	0,25	0,50	1,00
Shear stress at failure	τ (kg/cm ²)	0,24	0,41	0,79
Shear displacement at failure	δ_n (%)	5,84	6,68	5,84



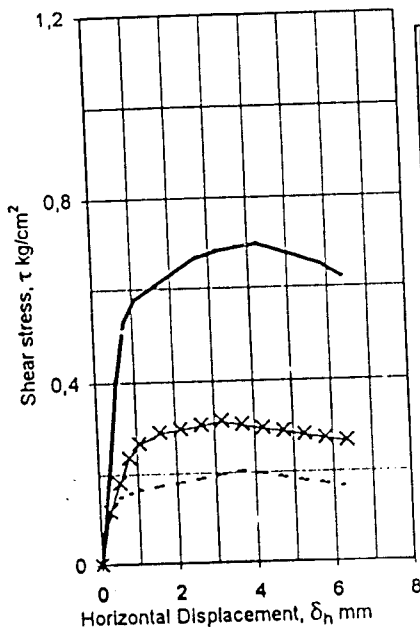
Angle of Internal Friction $\phi = 36,66^\circ$
 Cohesion $c = 0,04$ kg/cm²

DIRECT SHEAR TEST

Project : Rumah Sakit Batesda
 Location : Jogjakarta
 Boring No. : BH 2

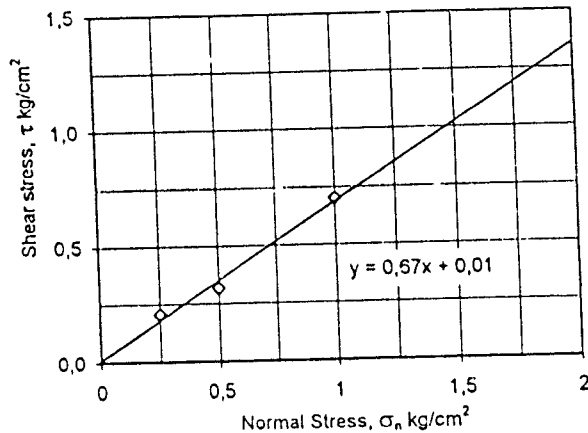
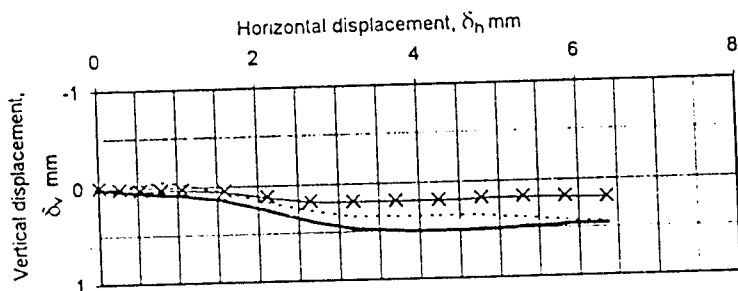
Depth : 1,00 m
 Date : 21 November 2002
 Made by : Kwo

Description of soil : _____
 Dimensions of sample :
 Diameter = 6,35 cm
 Area = 31,67 cm²
 Ht. = 1,90 cm
 Volume = 60,17 cm³
 Loading rate = 1.06 mm/minute



..... specimen no. 1
 -x- specimen no. 2
 — specimen no. 3

Test condition : UUCU/CD		1	2	3
Specimen no.				
Mass of soil + ring	g	189,00	197,94	258,43
Mass of ring	g	84,42	86,61	143,40
Mass of soil	g	104,58	111,33	115,03
Initial water content	w _N (%)	23,42		
Bulk density	γ _b (g/cm ³)	1,65	1,76	1,82
Dry density	γ _d (g/cm ³)	1,34	1,42	1,47
Final water content	w _N (%)	31,76		
Normal stress	σ _n (kg/cm ²)	0,25	0,50	1,00
Shear stress at failure	τ (kg/cm ²)	0,21	0,31	0,70
Shear displacement at failure	δ _h (%)	5,84	5,01	6,68



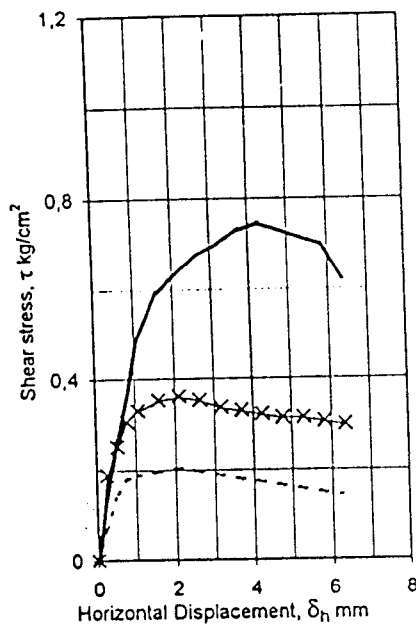
Angle of Internal Friction $\phi = 34,02^\circ$
 Cohesion $c = 0,01 \text{ kg/cm}^2$

DIRECT SHEAR TEST

Project : Rumah Sakit Batesda
 Location : Jogjakarta
 Boring No. : BH 3

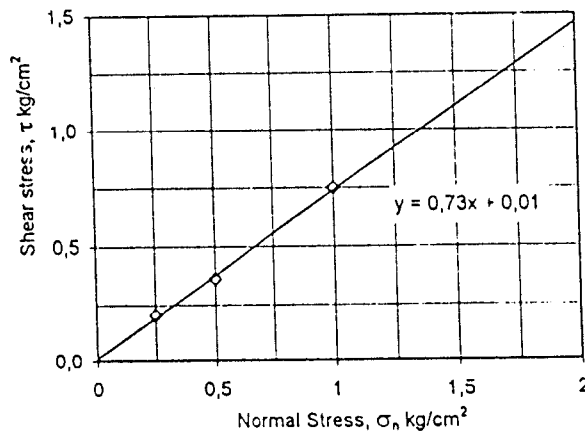
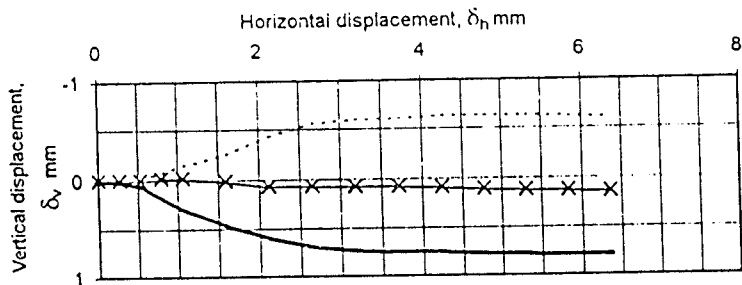
Depth : 1,00 m
 Date : 28 April 2003
 Made by : kwo

Description of soil : _____
 Dimensions of sample :
 Diameter = 6,35 cm
 Area = 31,67 cm²
 Ht. = 1,90 cm
 Volume = 60,17 cm³
 Loading rate = 1.06 mm/minute



..... specimen no. 1
 —x— specimen no. 2
 — specimen no. 3

Test condition : <i>UU/CU/CD</i>				
Specimen no.		1	2	3
Mass of soil + ring	g	196,20	255,75	194,55
Mass of ring	g	84,42	143,40	86,61
Mass of soil	g	111,78	112,35	107,94
Initial water content	w _N (%)	24,76		
Bulk density	γ _b (g/cm ³)	1,76	1,77	1,70
Dry density	γ _d (g/cm ³)	1,41	1,42	1,37
Final water content	w _N (%)	32,01		
Normal stress	σ _n (kg/cm ²)	0,25	0,50	1,00
Shear stress at failure	τ (kg/cm ²)	0,21	0,36	0,75
Shear displacement at failure	δ _h (%)	3,34	3,34	6,68



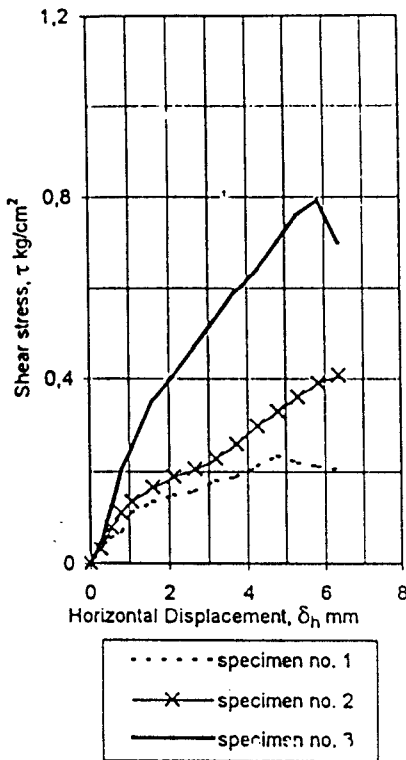
Angle of Internal Friction $\phi = 36,03^\circ$
 Cohesion $c = 0,01 \text{ kg/cm}^2$

DIRECT SHEAR TEST

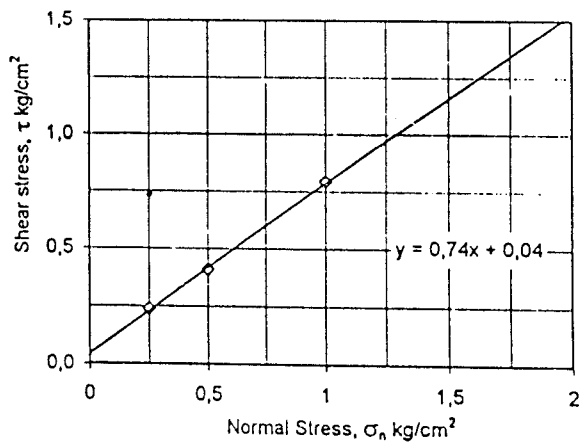
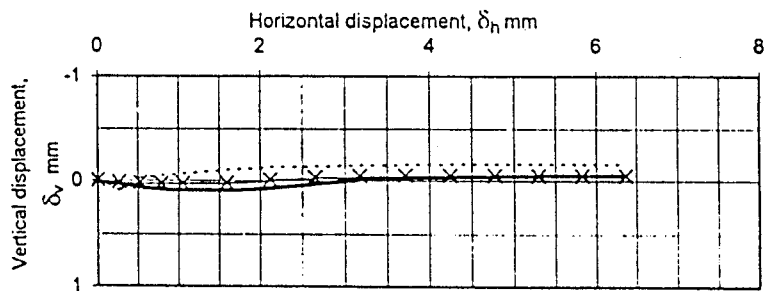
Project : Rumah Sakit Batesda
 Location : Jogjakarta
 Boring No. : BH 3

Depth : 5,00 m
 Date : 29 April 2003
 Made by : Kwo

Description of soil : _____
 Dimensions of sample :
 Diameter = 6,35 cm
 Area = 31,67 cm²
 Ht. = 1,90 cm
 Volume = 60,17 cm³
 Loading rate = 1.06 mm/minute



Test condition : UU/GU/CD				
Specimen no.		1	2	3
Mass of soil + ring	g	185,91	242,71	184,73
Mass of ring	g	86,61	143,40	84,42
Mass of soil	g	99,30	99,31	100,31
Initial water content	w _N (%)	10,13		
Bulk density	γ_b (g/cm ³)	1,57	1,57	1,58
Dry density	γ_d (g/cm ³)	1,42	1,42	1,44
Final water content	w _N (%)	25,56		
Normal stress	σ_n (kg/cm ²)	0,25	0,50	1,00
Shear stress at failure	τ (kg/cm ²)	0,24	0,41	0,79
Shear displacement at failure	δ_h (%)	7,51	10,02	9,18



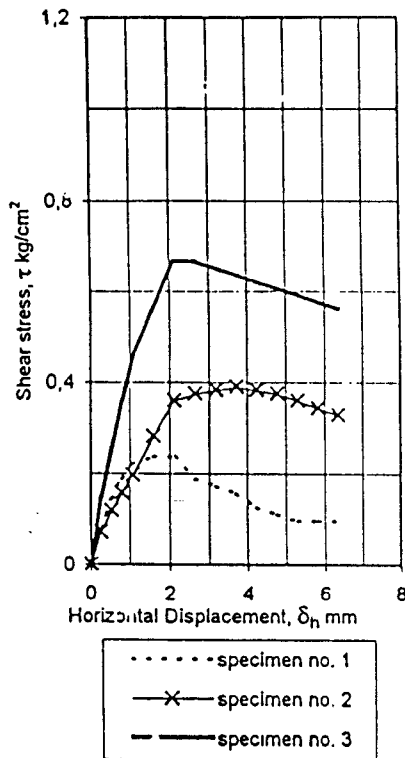
Angle of Internal Friction	ϕ	=	36,66 °
Cohesion	c	=	0,04 kg/cm ²

DIRECT SHEAR TEST

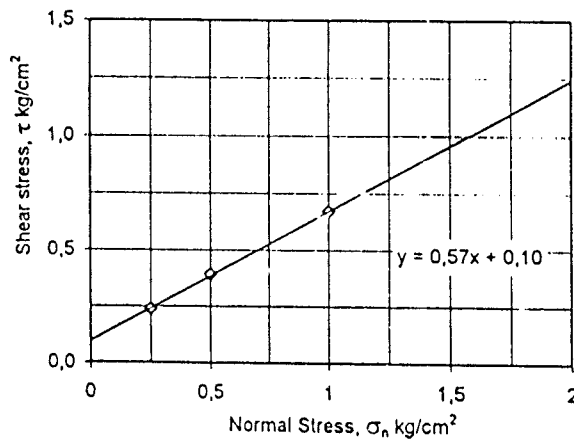
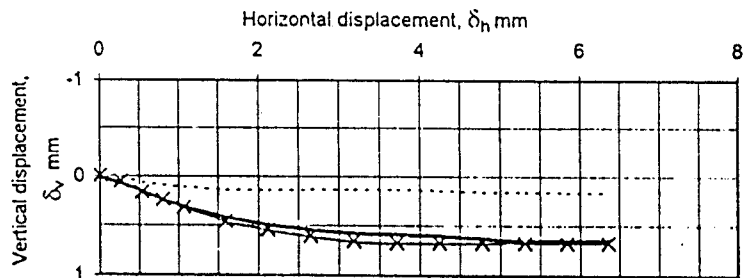
Project : Rumah Sakit Batesda
 Location : Jogjakarta
 Boring No. : BH 4

Depth : 3,00 m
 Date : 29 April 2003
 Made by : Kwo

Description of soil : _____
 Dimensions of sample :
 Diameter = 6,35 cm
 Area = 31,67 cm²
 Ht. = 1,90 cm
 Volume = 60,17 cm³
 Loading rate = 1.06 mm/minute

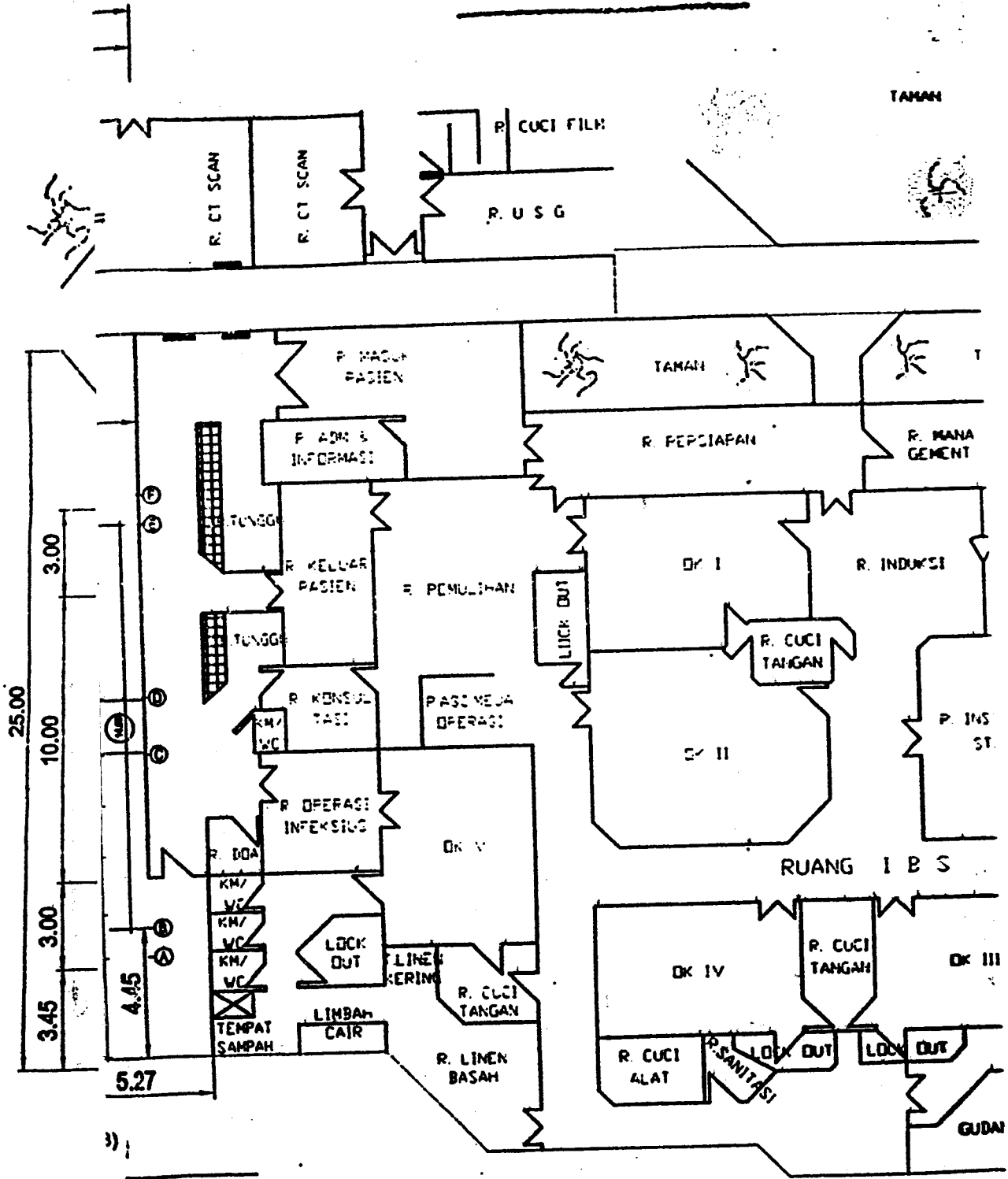


Test condition : UU/CJ/CD				
Specimen no.		1	2	3
Mass of soil + ring	g	178,93	232,29	182,29
Mass of ring	g	86,61	143,40	84,42
Mass of soil	g	92,32	88,89	97,87
Initial water content	w_N (%)	34,42		
Bulk density	γ_b (g/cm ³)	1,46	1,40	1,55
Dry density	γ_d (g/cm ³)	1,08	1,04	1,15
Final water content	w_N (%)	48,88		
Normal stress	σ_n (kg/cm ²)	0,25	0,50	1,00
Shear stress at failure	τ (kg/cm ²)	0,24	0,39	0,67
Shear displacement at failure	δ_h (%)	2,50	5,84	3,34



Angle of Internal Friction	ϕ	=	29,83 °
Cohesion	c	=	0,10 kg/cm ²

Bethesda



JAKARTA

ELE
CO

ALTERNATIF 06
IRI

Keterangan :

- ▲ Sondir
- Bore hole



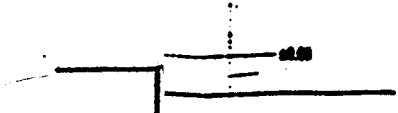
.....-20.00

.....-18.50

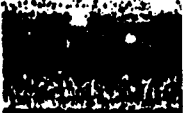
.....-12.50

.....-4.00

.....-4.00



3AN



Lampiran I

3

Tabel 4.9 Gaya Batang Rangka Kuda-kuda Type KK2

FRAME	LENGTH	GAYA AKSIAL			GAYA AKSIAL -KOMBINASI		BEBAN RENCANA
		Tetap	Wki	Wka	(tetap+Wki)/1,25	(tetap+Wka)/1,25	
	M	Ton	Ton	Ton	Ton	Ton	Ton
A1	1.218	-9.7390	-0.1746	0.2731	-7.9309	-7.5727	-9.7390
A2	1.842	-9.2775	-0.1570	0.2456	-7.5476	-7.2255	-9.2775
A3	1.842	-8.3530	-0.1389	0.2199	-6.7936	-6.5065	-8.3530
A4	2.452	-7.0329	-0.1098	0.1795	-5.7141	-5.4827	-7.0329
A5	1.051	-6.3331	-0.1297	0.2066	-5.1702	-4.9012	-6.3331
A6	1.150	-5.2883	-0.0812	0.1536	-4.2956	-4.1078	-5.2883
A7	1.150	-5.2883	-0.0810	0.1534	-4.2954	-4.1079	-5.2883
A8	1.051	-6.3254	-0.0780	0.1550	-5.1227	-4.9363	-6.3254
A9	2.452	-7.0149	-0.1058	0.1757	-5.6966	-5.4713	-7.0149
A10	1.842	-8.3395	-0.0658	0.1461	-6.7242	-6.5547	-8.3395
A11	1.842	-9.2639	-0.0404	0.1280	-7.4435	-7.3088	-9.2639
A12	1.218	-9.7301	-0.0024	0.0984	-7.7860	-7.7053	-9.7301
B13	1.023	8.1558	0.6550	-0.7294	7.0487	5.9412	8.1558
B14	1.548	8.2226	0.6543	-0.7290	7.1015	5.9949	8.2226
B15	1.548	7.7880	0.6018	-0.6537	6.7119	5.7075	7.7880
B16	2.060	7.0184	0.5475	-0.5797	6.0527	5.1510	7.0184
B17	0.883	5.8989	0.4758	-0.4832	5.0997	4.3325	5.8989
B18	1.150	5.2139	0.4302	-0.4253	4.5153	3.8306	5.2139
B19	1.150	5.2139	0.3256	-0.3211	4.4316	3.9143	5.2139
B20	1.023	8.1530	0.0286	-0.1019	6.5453	6.4409	8.1530
B21	1.548	8.2184	0.0295	-0.1031	6.5983	6.4922	8.2184
B22	1.548	7.7838	0.1139	-0.1659	6.3182	6.0943	7.7838
B23	2.060	7.0128	0.1883	-0.2210	5.7609	5.4335	7.0128
B24	0.883	5.8965	0.2853	-0.2929	4.9454	4.4829	5.8965
D25	1.520	-0.4157	-0.0500	0.0724	-0.3725	-0.2746	-0.4157
D26	1.746	-0.8633	-0.0612	0.0833	-0.7396	-0.6240	-0.8633
D27	2.503	-1.3439	-0.0868	0.1170	-1.1446	-0.9815	-1.3439
D28	2.834	-1.7568	-0.1121	0.1504	-1.4951	-1.2851	-1.7568
D29	3.495	0.2503	-0.1574	0.1574	0.0743	0.3262	0.3262
D30	3.495	0.2078	0.1587	-0.1585	0.2932	0.0394	0.2932
D31	2.834	-1.7916	0.1515	-0.1130	-1.3121	-1.5237	-1.7916
D32	2.503	-1.3631	0.1179	-0.0874	-0.9961	-1.1604	-1.3631
D33	1.746	-0.8746	0.0838	-0.0621	-0.6326	-0.7493	-0.8746
D34	1.520	-0.4176	0.0827	-0.0616	-0.2679	-0.3833	-0.4176
V35	0.478	-0.0004	-0.0030	0.0037	-0.0027	0.0027	-0.0027
V36	1.202	0.3065	0.0184	-0.0257	0.2599	0.2246	0.3065
V37	1.925	0.7904	0.0422	-0.0574	0.6661	0.5864	0.7904
V38	2.888	1.2238	0.0667	-0.0895	1.0324	0.9075	1.2238
V39	3.300	3.0580	0.2064	-0.2446	2.6115	2.2507	3.0580
V40	3.300	-0.2471	0.0002	-0.0006	-0.1975	-0.1981	-0.2471
V41	3.300	3.0580	-0.0846	0.0461	2.3787	2.4832	3.0580
V42	2.888	1.2238	-0.0892	0.0662	0.9077	1.0320	1.2238
V43	1.925	0.7904	-0.0578	0.0428	0.5861	0.6665	0.7904
V44	1.202	0.3065	-0.0263	0.0194	0.2242	0.2607	0.3065
V45	0.478	-0.0004	-0.0001	0.0008	-0.0003	0.0003	0.0003

Tabel 4.7 Gaya Batang Rangka Kuda-kuda Type KK1

FRAME	LENGTH	GAYA AKSIAL			GAYA AKSIAL -KOMBINASI		BEBAN
		Tetap	Wki	Wka	(tetap+Wki)/1,25	(tetap+Wka)/1,25	RENCANA
	M	Ton	Ton	Ton	Ton	Ton	Ton
A1	1.846	-7.1687	-0.0335	0.0335	-5.7617	-5.7081	-7.1687
A2	1.846	-6.3225	-0.0268	0.0268	-5.0794	-5.0365	-6.3225
A3	2.457	-5.1874	-0.0098	0.0098	-4.1578	-4.1421	-5.1874
A4	2.457	-4.0439	-0.0011	0.0011	-3.2360	-3.2342	-4.0439
A5	2.457	-4.0312	-0.0763	0.0763	-3.2861	-3.1639	-4.0312
A6	2.457	-5.1748	-0.0642	0.0642	-4.1912	-4.0886	-5.1748
A7	1.846	-6.3130	-0.0415	0.0415	-5.0836	-5.0172	-6.3130
A8	1.846	-7.1592	-0.0325	0.0325	-5.7533	-5.7014	-7.1592
B9	1.528	5.9279	0.4433	-0.4433	5.0970	4.3876	5.9279
B10	1.528	5.9279	0.4433	-0.4433	5.0970	4.3876	5.9279
B11	2.033	5.2282	0.3978	-0.3978	4.5008	3.8643	5.2282
B12	2.033	4.2885	0.3371	-0.3371	3.7005	3.1611	4.2885
B13	2.033	4.2860	0.1954	-0.1954	3.5851	3.2724	4.2860
B14	2.033	5.2256	0.1144	-0.1144	4.2720	4.0890	5.2256
B15	1.528	5.9259	0.0535	-0.0535	4.7836	4.6979	5.9259
B16	1.528	5.9259	0.0535	-0.0535	4.7836	4.6979	5.9259
D17	1.639	-0.7483	-0.0489	0.0489	-0.6377	-0.5595	-0.7483
D18	2.454	-1.1291	-0.0733	0.0733	-0.9619	-0.8447	-1.1291
D19	3.230	-1.4925	-0.0962	0.0962	-1.2709	-1.1170	-1.4925
D20	3.230	-1.5151	0.1290	-0.1290	-1.1088	-1.3153	-1.5151
D21	2.454	-1.1417	0.0978	-0.0978	-0.8351	-0.9916	-1.1417
D22	1.639	-0.7539	0.0653	-0.0653	-0.5509	-0.6554	-0.7539
T23	0.845	0.1356	0.0000	0.0000	0.1085	0.1085	0.1085
T24	1.690	0.5582	0.0252	-0.0252	0.4667	0.4264	0.4264
T25	2.814	0.9840	0.0501	-0.0501	0.8273	0.7471	0.9840
T26	3.936	3.7975	0.0495	-0.0495	3.0776	2.9984	3.7975
T27	2.814	0.9840	-0.0675	0.0675	0.7331	0.8412	0.9840
T28	1.690	0.5582	-0.0337	0.0337	0.4196	0.4735	0.5582
T29	0.845	0.1356	0.0000	0.0000	0.1085	0.1085	0.1356

Tabel 4.8 Gaya Batang Rangka Kuda-kuda Type KK4

FRAME	LENGTH	GAYA AKSIAL			GAYA AKSIAL -KOMBINASI		BEBAN
		Tetap	Wki	Wka	(tetap+Wki)/1,25	(tetap+Wka)/1,25	RENCANA
	M	Ton	Ton	Ton	Ton	Ton	Ton
A1	1.22	1.0393	-0.0118	0.0118	0.8219	0.8409	1.0393
A2	1.83	0.6370	-0.0263	0.0263	0.4886	0.5306	0.6370
B1	1.5	-0.5395	0.0477	-0.0477	-0.3934	-0.4698	-0.5395
B2	1	-0.5668	0.0478	-0.0478	-0.4152	-0.4917	-0.5668
V1	1.05	0.0917	0.0000	0.0000	0.0734	0.0733	0.0733
D1	1.45	-0.5147	0.0460	-0.0460	-0.3750	-0.4486	-0.5147

Tabel 4.10 Gaya Batang Rangka Kuda-kuda Type KK3

FRAME	LENGTH	GAYA AKSIAL			GAYA AKSIAL -KOMBINASI		BEBAN RENCANA
		Tetap	Wki	Wka	(tetap+Wki)/1,25	(tetap+Wka)/1,25	
	M	Ton	Ton	Ton	Ton	Ton	Ton
A1	1.218	-12.0664	-0.2258	0.2258	-9.8338	-9.4725	-12.0664
A2	1.842	-11.1527	-0.2048	0.2048	-9.0859	-8.7583	-11.1527
A3	1.203	-10.3763	-0.2044	0.2044	-8.4645	-8.1375	-10.3763
A4	1.700	-11.0628	-0.1573	0.1573	-8.9761	-8.7244	-11.0628
A5	1.700	-12.6539	-0.0944	0.0944	-10.1986	-10.0476	-12.6539
A6	1.150	-13.0077	-0.0519	0.0519	-10.4476	-10.3646	-13.0077
A7	1.150	-13.0077	-0.0517	0.0517	-10.4475	-10.3648	-13.0077
A8	1.700	-12.6539	-0.0091	0.0091	-10.1304	-10.1158	-12.6539
A9	1.700	-11.0628	0.0538	-0.0538	-8.8072	-8.8933	-11.0628
A10	1.203	-10.3682	0.0567	-0.0567	-8.2492	-8.3399	-10.3682
A11	1.842	-11.1403	0.0572	-0.0572	-8.8665	-8.9580	-11.1403
A12	1.218	-12.0582	0.0938	-0.0938	-9.5715	-9.7216	-12.0582
B13	1.023	10.1102	0.5428	-0.5428	8.5224	7.6539	10.1102
B14	1.548	10.1769	0.5427	-0.5427	8.5757	7.7074	10.1769
B15	1.011	9.3596	0.4857	-0.4857	7.8762	7.0991	9.3596
B16	1.700	8.5281	0.4288	-0.4288	7.1656	6.4794	8.5281
B17	1.700	11.0691	0.3660	-0.3660	9.1481	8.5625	11.0691
B18	1.150	12.6568	0.3031	-0.3031	10.3680	9.8830	12.6568
B19	1.150	12.6568	0.2182	-0.2182	10.3000	9.9509	12.6568
B20	1.700	11.0691	0.1553	-0.1553	8.9795	8.7310	11.0691
B21	1.700	8.5281	0.0924	-0.0924	6.8964	6.7486	8.5281
B22	1.011	9.3570	0.0319	-0.0319	7.5112	7.4601	9.3570
B23	1.548	10.1730	-0.0519	0.0519	8.0969	8.1799	10.1730
B24	1.023	10.1076	-0.0520	0.0520	8.0445	8.1277	10.1076
D25	1.520	-0.7875	-0.0550	0.0550	-0.6740	-0.5860	-0.7875
D26	1.396	-0.8656	-0.0643	0.0643	-0.7440	-0.6410	-0.8656
D27	2.386	3.5686	-0.0877	0.0877	2.7848	2.9250	3.5686
D28	2.386	2.2328	-0.0879	0.0879	1.7159	1.8565	2.2328
D29	2.031	0.6289	-0.0745	0.0745	0.4435	0.5627	0.6289
D30	2.031	0.6092	0.0750	-0.0750	0.5474	0.4274	0.6092
D31	2.386	2.2131	0.0881	-0.0881	1.8410	1.7000	2.2131
D32	2.386	3.5489	0.0881	-0.0881	2.9096	2.7687	3.5489
D33	1.396	-0.8772	0.0862	-0.0862	-0.6328	-0.7708	-0.8772
D34	1.520	-0.7893	0.0820	-0.0820	-0.5658	-0.6970	-0.7893
V35	0.478	-0.0054	-0.0024	0.0024	-0.0062	-0.0024	-0.0062
V36	1.202	0.4182	0.0194	-0.0194	0.3501	0.3191	0.4182
V37	1.674	2.7561	0.1480	-0.1480	2.3233	2.0865	2.7561
V38	1.674	-2.3073	0.0617	-0.0617	-1.7965	-1.8952	-2.3073
V39	1.674	-1.3524	0.0614	-0.0614	-1.0328	-1.1311	-1.3524
V40	1.674	-0.8170	-0.0001	0.0001	-0.6537	-0.6535	-0.8170
V41	1.674	-1.3524	-0.0617	0.0617	-1.1313	-1.0326	-1.3524
V42	1.674	-2.3073	-0.0618	0.0618	-1.8953	-1.7964	-2.3073
V43	1.674	2.7561	-0.0541	0.0541	2.1617	2.2482	2.7561
V44	1.202	0.4182	-0.0261	0.0261	0.3137	0.3555	0.4182
V45	0.478	-0.0054	0.0005	-0.0005	-0.0039	-0.0047	-0.0054

TABEL 4.11 PERENCANAAN PROFIL KUDA-KUDA KK1

KETERANGAN	PERENCANAAN BATANG DESAK	
	ATAS (A)	DIAGONAL (D)
Nu = $\phi n N_n$ (Kg)	6768.00	1431.00
PANJANG (cm)	185.00	321.00
Es (kg/cm ²)	2100000	2100000
Fu (kg/cm ²)	3700	3700
Fy (kg/cm ²)	2400	2400
$l = k.l/r < 200$	100	200
Cc	131.456	131.456
Fs	1.8969	1.7970
Fa perlu (kg/cm ²)	899.139	270.067
A perlu (cm ²)	7.527	5.299
Profil Pakai	2Lx55x55x6	2Lx55x55x6
A @ Profil (cm ²)	6.31	6.31
A 2Lprofil (cm ²)	12.62	12.62
r profil (cm)	1.66	1.66
CEK TEKUK SETEMPAT		
bf (cm)	55	55
tw (cm)	6	6
bf/tw	9.1667	9.1667
$76/(fy)^{0.5}$	12.6667	12.6667
kontrol	ok	ok
CEK KELANGSINGAN		
k	1	1
k.l/r	111.4458	193.3735
Cc	130.6395	130.6395
kontrol	KI < Cc	KI > Cc
Fs	1.9090	1.8164
Fa (kg/cm ²)	799.7551	288.8937
P maks (kg/cm ²)	10092.9099	3645.8388
kontrol	ok	ok

KETERANGAN	PERENCANAAN BATANG TARIK	
	BAWAH (B)	VERTIKAL (V)
Nu = $\phi n N_n$ (Kg)	4984.00	3200.00
PANJANG (cm)	153.40	390.00
Es (kg/cm ²)	2100000	2100000
Fu (kg/cm ²)	3700	3700
Fy (kg/cm ²)	2400	2400
r min (cm)	0.6392	1.6250
n lobang	2	2
m	0.75	0.75
A netto perlu (cm ²)	3.592	2.306
Profil Pakai	2Lx55x55x6	2Lx55x55x6
A @ Profil (cm ²)	6.31	6.31
A 2Lprofil (cm ²)	12.62	12.62
r profil (cm)	1.66	1.66
CEK KELANGSINGAN		
k	1	1
k.l/r	92.4096	234.9398
k.l/r < 240	ok	ok
A netto (cm ²)	10.715	10.715
A.eff perlu (cm ²)	8.0363	8.0363
KONTROL TEGANGAN		
TIDAK ADA LOBANG		
ft (kg/cm ²)	394.9287	253.5658
0,6 Fy	1440	1440
ft < 0,6 Fy	OK	OK
ADA LOBANG		
ft (kg/cm ²)	620.1898	398.1957
0,5 Fu	1850	1850
ft < 0,5 Fu	OK	OK

TABEL 4.12 PERENCANAAN PROFIL KUDA-KUDA KK2

KETERANGAN	PERENCANAAN BATANG DESAK	
	ATAS (A)	DIAGONAL (D)
Nu = fn Nn (Kg)	9739.00	1756.80
PANJANG (cm)	121.80	283.40
Es (kg/cm ²)	210000	210000
Fu (kg/cm ²)	3700	3700
Fy (kg/cm ²)	2400	2400
$\lambda = \kappa \cdot \lambda / \rho < 200$	100	200
Cc	131.456	131.456
Fs	1.8969	1.7970
Fa perlu(kg/cm ²)	899.139	270.067
A perlu (cm ²)	10.831	6.505
Profil Pakai	2Lx55x55x6	2Lx55x55x6
A @Profil (cm ²)	6.31	6.31
A 2Lprofil (cm ²)	12.62	12.62
r profil (cm)	1.66	1.66
	CEK TEKUK SETEMPAT	
bf (cm)	55	55
tw (cm)	6	6
bf/tw	9.1667	9.1667
76/(fy)0.5	12.6667	12.6667
kontrol	ok	ok
	CEK KELANGSINGAN	
k	1	1
k.l/r	73.3735	170.7229
Cc	130.6395	130.6395
kontrol	Kl < Cc	Kl > Cc
Fs	1.8551	1.8778
Fa (kg/cm ²)	1089.6549	370.6368
P maks (kg/cm ²)	13751.4447	4677.4359
kontrol	ok	ok

KETERANGAN	PERENCANAAN BATANG TARIK	
	BAWAH (B)	VERTIKAL (V)
Nu = fn Nn (Kg)	8226.60	3058.00
PANJANG (cm)	154.80	3.30
Es (kg/cm ²)	210000	210000
Fu (kg/cm ²)	3700	3700
Fy (kg/cm ²)	2400	2400
r min (cm)	0.6450	0.0138
n lobang	2	2
μ	0.75	0.75
A netto perlu(cm ²)	5.929	2.204
Profil Pakai	2Lx55x55x6	2Lx55x55x6
A @Profil (cm ²)	6.31	6.31
A 2Lprofil (cm ²)	12.62	12.62
r profil (cm)	1.66	1.66
	CEK KELANGSINGAN	
k	1	1
k.l/r	93.2530	1.9880
k.l/r < 240	ok	ok
A netto (cm ²)	10.715	10.715
A. eff perlu (cm ²)	8.0363	8.0363
	KONTROL TEGANGAN	
	TIDAK ADA LOBANG	
ft (kg/cm ²)	651.8700	242.3138
0,6 Fy	1440	1440
ft < 0,6 Fy	OK	OK
	ADA LOBANG	
ft (kg/cm ²)	1023.6864	380.5257
0,5 Fu	1850	1850
ft < 0,5 Fu	OK	OK

TABEL 4.13 PERENCANAAN PROFIL KUDA-KUDA-KK3

KETERANGAN	PERENCANAAN BATANG DESAK	
	ATAS (A)	DIAGONAL (D)
Nu = $\phi n N_n$ (Kg)	12066.40	789.30
PANJANG (cm)	121.80	152.00
Es (kg/cm ²)	2100000	2100000
Fu (kg/cm ²)	3700	3700
Fy (kg/cm ²)	2400	2400
$\lambda = k.l/r < 200$	100	200
Cc	131.456	131.456
Fs	1.8969	1.7970
Fa perlu(kg/cm ²)	899.139	270.067
A perlu (cm ²)	13.420	2.923
Profil Pakai	2Lx55x55x6	2Lx55x55x6
A @Profil (cm ²)	6.31	6.31
A 2Lprofil (cm ²)	12.62	12.62
r profil (cm)	1.66	1.66
CEK TEKUK SETEMPAT		
bf (cm)	55	55
tw (cm)	6	6
bf/tw	9.1667	9.1667
76/(fy) ^{0.5}	12.6667	12.6667
kontrol	ok	ok
CEK KELANGSINGAN		
k	1	1
k.l/r	73.3735	91.5663
Cc	130.6395	130.6395
kontrol	KI < Cc	KI < Cc
Fs	1.8551	1.8865
Fa (kg/cm ²)	1089.6549	1288.4305
P maks (kg/cm ²)	13751.4447	16259.9931
kontrol	ok	ok

KETERANGAN	PERENCANAAN BATANG TARIK	
	BAWAH (B)	VERTIKAL (V)
Nu = $\phi n N_n$ (Kg)	12656.80	2756.10
PANJANG (cm)	115.00	167.40
Es (kg/cm ²)	2100000	2100000
Fu (kg/cm ²)	3700	3700
Fy (kg/cm ²)	2400	2400
r min (cm)	0.4792	0.6975
n lobang	2	2
μ	0.75	0.75
A netto perlu(cm ²)	9.122	1.986
Profil Pakai	2Lx55x55x6	2Lx55x55x6
A @Profil (cm ²)	6.31	6.31
A 2Lprofil (cm ²)	12.62	12.62
r profil (cm)	1.66	1.66
CEK KELANGSINGAN		
k	1	1
k.l/r	69.2771	100.8434
k.l/r < 240	ok	ok
A netto (cm ²)	10.715	10.715
A.eff perlu (cm ²)	8.0363	8.0363
KONTROL TEGANGAN		
TIDAK ADA LOBANG		
ft (kg/cm ²)	1002.9160	218.3914
0,6 Fy	1440	1440
ft < 0,6 Fy	OK	OK
ADA LOBANG		
ft (kg/cm ²)	1574.9634	342.9585
0,5 Fu	1850	1850
ft < 0,5 Fu	OK	OK

TABEL 4.14 Jenis Profil dan Berat Kuda-kuda

TYPE KUDA-KUDA	BATANG DESAK		BATANG TARIK		BERAT kg	BERAT TOTAL	d BAUT (in)	tp (cm)	n BAUT (buah)
	Gaya Maks (kg)	L Batang (cm)	Gaya Maks (kg)	L Batang (cm)					
KK1	B. ATAS	6768.00	1717.20	2Lx55x55x6		170.0028	1/2"	0.8	2
	B. DIAGONAL	1431.00	1459.20	2Lx55x55x6		144.4608	1/2"	0.8	2
	B. BAWAH				8218.40	140.976	1/2"	0.8	2
	B. VERTIKAL				3200.00	143.748	1/2"	0.8	2
KK2	B. ATAS	9739.00	1911.00	2Lx55x55x6		189.189	1/2"	0.8	3
	B. DIAGONAL	1756.80	2420.00	2Lx55x55x6		239.58	1/2"	0.8	2
	B. BAWAH				8226.60	162.558	1/2"	0.8	3
	B. VERTIKAL				3058.00	226.512	1/2"	0.8	2
KK3	B. ATAS	12066.4	1762	2Lx55x55x6		174.438	1/2"	0.8	3
	B. DIAGONAL	789.3	1943	2Lx55x55x6		192.357	1/2"	0.8	2
	B. BAWAH				12656.8	160.974	1/2"	0.8	3
	B. VERTIKAL				2756.1	149.193	1/2"	0.8	2
KK4	B. ATAS			2Lx55x55x6	1039.3	30.195	1/2"	0.8	2
	B. DIAGONAL	514.7	145	2Lx55x55x6	145	14.355	1/2"	0.8	2
	B. BAWAH	566.8	250			24.75	1/2"	0.8	2
	B. VERTIKAL				73.3	10.395	1/2"	0.8	2

TABEL 4.15 PERHITUNGAN PLAT DUA ARAH

NOMENKLATUR	SATUAN	TYPE PLAT			
		A 3,5x5,9	A2 3,5x3,9	B 3,5x3,9	C 3,4X3,5
Mutu Beton (fc')	Mpa	22.5	22.5	22.5	22.5
Mutu Baja (fy)	Mpa	240	240	240	240
Beban Mati (QD)	kN/m ²	4.88	4.88	5.06	3.06
Beban hidup (QL)	kN/m ²	2.5	2.5	15	1
Tebal Pelat	mm	120	120	140	100
Selimut	mm	20	20	35	20
Bentang Memanjang (ly)	m	5.9	3.9	4	3.5
Bentang Pendek (lx)	m	3.5	3.5	3.5	3.4
Rasio (ly/lx)		1.69	1.11	1.14	1.03
Penulangan Lentur (per 1 m Lebar)					
Arah X					
Koefisien (C)		59	42.4	43.6	37
Mu	kN/m ²	7.1	5.119206	16.1	2.25
Rn	Mpa	0.9866	0.7090	2.0077	0.49
m		12.5490	12.5490	12.5490	12.5490
ρ		0.0484	0.0484	0.0484	0.0484
ρ min		0.0058	0.0058	0.0058	0.0058
ρ maks		0.0363	0.0363	0.0363	0.0363
ρ pakai		0.0056	0.0040	0.0089	0.0027
As	mm ²	533.55	380.46	885.76	208.22
Diameter Tulangan	mm	10	10	10	8
Jarak Tulangan (s)	mm	145	200	85	240
Mn	kN/m ²	11.90	8.72	20.88	3.752
Kontrol (Mn>Mu)		OK	OK	OK	OK
ARAH Y					
Koefisien (C)		36	37.1	37.4	36
Mu	kN/m ²	4.35	4.48	13.78	2.19
Rn	Mpa	0.7520	0.7750	2.1262	0.5931
m		12.5490	12.5490	12.5490	12.5490
ρ		0.0484	0.0484	0.0484	0.0484
ρ min		0.0058	0.0058	0.0058	0.0058
ρ maks		0.0363	0.0363	0.0363	0.0363
ρ pakai		0.0040	0.0044	0.0094	0.0033
As	mm ²	380.46	372.75	847.37	227.08
Diameter Tulangan	mm	10	10	10	8
Jarak Tulangan (s)	mm	200	200	90	220.00
Mn	kN/m ²	8.72	7.78	17.69	3.65
Kontrol (Mn>Mu)		OK	OK	OK	OK
TUL. BAGI					
As perlu	mm ²	240	240	280	200
Diameter Tulangan	mm	10	10	10	8
Jarak Tulangan (s)	mm	327.083	327.083	280.357	251.200
Jarak Tulangan (s pakai)	mm	200	200	280	200

TABEL PERHITUNGAN BALOK ANAK

$$f_y = 400.0 \text{ Mpa} \quad f_y' = 240.0 \text{ Mpa}$$

$$f_c = 22.5 \text{ Mpa}$$

Nomenklatur	satuan	TYPE BALOK ANAK B1 (L = 6x3,5 m)		TYPE BALOK ANAK B2 (L = 2x3,5 m)	
		TUMPUAN	LAPANGAN	TUMPUAN	LAPANGAN
b	mm	200	200	200	200
h	mm	400	400	400	400
d'	mm	70	70	70	70
Mu	kN m	28.794	26.177	43.941	35.952
Mu/φ	kN m	35.993	32.721	54.926	44.940
pb		0.024	0.024	0.024	0.024
p maks		0.018	0.018	0.018	0.018
p ada		0.009	0.009	0.009	0.009
p min		0.004	0.004	0.004	0.004
m		20.915	20.915	20.915	20.915
Rn	Mpa	3.308	3.308	3.308	3.308
d perlu	mm	233.248	222.393	288.137	260.630
d ada	mm	330.000	330.000	330.000	330.000
kontrol		TUL SEBELAH	TUL SEBELAH	TUL SEBELAH	TUL SEBELAH
TUL. TARIK					
As	mm ²	301.504	274.095	460.105	376.450
D tul pakai	mm	D16	D16	D16	D16
n tulangan	bt	1.500	1.364	2.290	1.873
n pakai	bt	2	2	3	2
As pakai tarik	mm ²	401.920	401.920	602.880	401.920
KONTROL KAPASITAS Mn					
POSITIF					
pAktual		0.006	0.006	0.009	0.006
Rn	Mpa	2.281	2.281	3.305	2.281
Mnak	kN m	49.675	49.675	71.978	49.675
		OK	OK	OK	OK

PERENCANAAN GESER			
BALOK			
Vu (1)	kN	40.32	55.38
Vu/φ	kN	67.206	92.303
Vc	kN	52.178	52.178
Vs min	kN	22.000	22.000
D tul pakai	mm	P10	P10
S (1)	mm	565.200	309.889
S pakai	mm	P8 -165	P8 -165
DIAMBIL SEJAUH :			
Vu (2)	kN	1/4L	1/4L
Vu/φ	kN	28.79	39.55
Vc	kN	47.990	65.911
Vs min	kN	52.178	52.178
D tul pakai	mm	22.000	22.000
S (2)	mm	P10	P10
S pakai	mm	565.200	565.200
DIAMBIL SEJAUH :			
Vu (3)	kN	10.28	14.12
Vu/φ	kN	17.139	23.540
Vc	kN	52.178	52.178
Vs min	kN	22.000	22.000
D tul pakai	mm	P10	P10
S (3)	mm	-	-
S pakai	mm	P8 -165	P8 -165

TABEL PERHITUNGAN BALOK ANAK

$$f_y = 400.0 \text{ Mpa} \quad f_y' = 240.0 \text{ Mpa}$$

$$f_c = 22.5 \text{ Mpa}$$

Nomenklatur	satuan	TYPE BALOK ANAK bak air		TYPE BALOK ANAK	
		B3 (L = 2x3,5 m)		B4 (L = 7x3,5 m)	
		TUMPUAN	LAPANGAN	TUMPUAN	LAPANGAN
b	mm	300	300	100	100
h	mm	500	500	1500	1500
d'	mm	70	70	100	100
Mu	kN m	101.329	82.905	14.748	13.407
Mu/φ	kN m	126.661	103.631	18.434	16.759
pb		0.024	0.024	0.024	0.024
p maks		0.018	0.018	0.018	0.018
p ada		0.009	0.009	0.009	0.009
p min		0.004	0.004	0.004	0.004
m		20.915	20.915	20.915	20.915
Rn	Mpa	3.308	3.308	3.308	3.308
d perlu	mm	357.260	323.154	236.069	225.083
d ada	mm	430.000	430.000	1400.000	1400.000
kontrol		TUL SEBELAH	TUL SEBELAH	TUL SEBELAH	TUL SEBELAH
TUL. TARIK					
As	mm ²	814.263	666.215	36.399	33.090
D tul pakai	mm	D16	D16	D16	D16
n tulangan	bt	4.052	3.315	0.181	0.165
n pakai	bt	5	4	2	2
As pakai tarik	mm ²	1004.800	803.840	401.920	401.920
KONTROL KAPASITAS Mn					
POSITIF					
pAktual	Mpa	0.008	0.006	0.003	0.003
Rn	Mpa	2.862	2.330	1.114	1.114
Mnak	kN m	158.748	129.251	218.318	218.318
		OK	OK	OK	OK

PERENCANAAN GESER			
BALOK			
Vu (1)	kN	127.71	20.65
Vu/φ	kN	212.852	34.421
Vc	kN	101.983	110.680
Vs min	kN	43.000	46.667
D tul pakai	mm	P10	P10
S (1)	mm	146.141	-
S pakai	mm	P8 -140	P8 -300
DIAMBIL SEJAUH :			
		1/4L	1/4L
Vu (2)	kN	91.20	14.75
Vu/φ	kN	151.993	24.579
Vc	kN	101.983	110.580
Vs min	kN	43.000	46.667
D tul pakai	mm	P10	P10
S (2)	mm	323.987	-
S pakai	mm	P8 -210	P8 -300
DIAMBIL SEJAUH :			
		32.57	5.27
Vu (3)	kN	54.283	8.778
Vu/φ	kN	101.983	110.680
Vc	kN	43.000	46.667
Vs min	kN	P10	P10
D tul pakai	mm	-	-
S (3)	mm	P8 -210	P8 -300
S pakai	mm		

TABEL PERHITUNGAN BALOK PORTAL

$f_y = 400.0 \text{ Mpa}$
 $f_c = 22.5 \text{ Mpa}$
 $f_y' = 240.0 \text{ Mpa}$

Nomenklatur	satuan	TYPE BALOK B1 (L = 14.1 m)		TYPE BALOK B4 (L = 1.75 m)		TYPE BALOK B2 (L = 5.9 m)		TYPE BALOK B3 (L = 2.3 m)	
		TUMPUAN	LAPANGAN	TUMPUAN	LAPANGAN	TUMPUAN	LAPANGAN	TUMPUAN	LAPANGAN
b	mm	350	350	200	200	250	250	200	200
h	mm	800	800	800	800	500	500	400	400
d'	mm	75	75	65	65	65	65	65	65
Mu	KN m	1047.770	592.220	102.210	0.000	207.571	85.228	55.654	15.206
Mu/φ	KN m	1309.713	740.275	127.763	0.000	259.464	106.535	74.568	19.008
pb		0.024	0.024	0.024	0.024	0.024	0.024	0.024	0.024
p maks		0.018	0.018	0.018	0.018	0.018	0.018	0.018	0.018
p ada		0.009	0.009	0.009	0.009	0.009	0.009	0.009	0.009
p min		0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
Mn	Mpa	20.915	20.915	20.915	20.915	20.915	20.915	20.915	20.915
Rn	Mpa	3.308	3.308	3.308	3.308	3.308	3.308	3.308	3.308
d perlu	mm	1063.600	799.626	439.452	0.000	560.135	358.922	335.725	169.501
d ada	mm	725.000	725.000	735.000	735.000	435.000	435.000	335.000	335.000
kontrol									
As1	mm ²	2320.326	2320.326	lihat hit. As Tarik	lihat hit. As Tarik	994.425	lihat hit. As Tarik	612.657	lihat hit. As Tarik
a	mm	138.656	138.656	-	-	83.194	-	64.069	-
Mn1	KN m	608.549	608.549	0.000	0.000	156.484	0.000	74.246	0.000
Mn2	KN m	701.164	131.726	0.000	0.000	102.980	0.000	0.322	0.000
fs'	Mpa	324.138	324.138	lihat hit. As Tarik	lihat hit. As Tarik	201.533	lihat hit. As Tarik	82.587	lihat hit. As Tarik
kontrol									
fs' pakai	Mpa	324.138	324.138	400.000	400.000	201.533	400.000	82.587	400.000
As2	mm ²	3327.945	625.214	0.000	0.000	1381.035	0.000	14.433	0.000
tul. Pakai	bt	7 D25	2 D25	2 D25	2 D25	3 D25	2 D25	2 D16	2 D16
As ada desak	mm ²	3434.375	981.250	981.250	981.250	1471.875	981.250	401.920	401.920
CEK									
As	mm ²	5648.271	2945.539	480.516	0.000	2375.461	677.009	627.091	156.845
tul. Pakai	bt	12 D25	7 D25	2 D25	2 D25	5 D25	2 D25	4 D16	2 D16
As pakai tarik	mm ²	5887.500	3434.375	981.250	981.250	2453.125	981.250	803.840	401.920
KONTROL KAPASITAS Mn									
NEGATIF									
As tul atas	mm ²	5887.500	981.250	981.250	981.250	2453.125	981.250	803.840	401.920
As tul bawah	mm ²	3434.375	3434.375	981.250	981.250	1471.875	981.250	401.920	401.920
p		0.023	0.014	0.007	0.007	0.023	0.009	0.012	0.006
p'		0.014	0.004	0.007	0.007	0.014	0.009	0.006	0.006
p - p'		0.010	0.010	0.000	0.000	0.009	0.000	0.006	0.000
fs'	Mpa	339.072	339.072	0.000	0.000	196.182	0.000	188.706	0.000
a	mm	177.853	155.524	102.614	102.614	144.835	82.092	64.233	42.031
Mnak	KN m	1514.171	890.062	268.349	268.349	357.926	154.627	94.894	50.479
CEK									
KONTROL KAPASITAS Mn									
POSITIF									
pAktual	Mpa	0.014	0.014	0.007	0.007	0.014	0.009	0.006	0.006
Rn	Mpa	4.648	4.648	2.484	2.484	4.648	3.269	2.249	2.249
Mnak	KN m	855.002	855.002	268.349	268.349	219.858	154.627	50.479	50.479

PERENCANAAN GESER PORTAL							
Vu (1)	KN	444.99	67.97				87.82
Vu/φ	KN	741.652	113.283				146.360
Vc	KN	0.000	116.214				52.968
S (1)	mm	53.041	565.200				135.160
d/2	mm	362.500	367.500				167.500
S mak	mm	300.000	300.000				300.000
S pakai	mm	P12-50	P10 - 300				P10 - 130
Vu (2)	KN	396.26	0.00				79.03
Vu/φ	KN	660.428	0.000				131.717
Vc	KN	200.607	116.214				52.968
S (2)	mm	85.550	tidak perlu tul geser				160.293
d/2	mm	362.500	367.500				167.500
S mak	mm	300.000	300.000				300.000
S pakai	mm	P12-80	P10 - 100				P10 - 160
Vu (3)	KN	318.84	0.00				29.02
Vu/φ	KN	531.400	0.000				48.370
Vc	KN	200.607	116.214				52.968
S (3)	mm	118.920	tidak perlu tul geser				565.200
d/2	mm	362.500	367.500				167.500
S mak	mm	300.000	300.000				300.000
S pakai	mm	P12-110	P10 - 210				P10 - 160
PERENCANAAN TULANGAN TORSI							
Tu	KN m	0.728	0.000				0.634
Σ x2.y	mm ³	88.8E+06	29.4E+06				13.4E+06
Tu.b	KN m	28.085	9.297				4.237
CEK		TORSI DIABAIKAN	TORSI DIABAIKAN				TORSI DIABAIKAN

REKAPITULASI PERHITUNGAN GRAFIK INTERAKSI Mn-Pn (kolom 400/800)

$f_c = 22.50$ Mpa
 $f_y = 400$ Mpa
 $b(x) = 400$ mm
 $h(y) = 800$ mm

KONDISI :	SATUAN	LENTUR	PATAH TARIK			SEIMBANG	PATAH DESAK			AKSIAL
			177.6	266.4	355.2	444.00	532.8	621.6	710.4	
1.0%						3200				
Ast	mm ²					1600				
As = As'	mm ²									
a	mm	83.66	150.96	226.44	301.92	377.40	452.88	528.36	603.84	
fs' pakai	Mpa		397.30	400.00	400.00	400.00	400.00	400.00	400.00	
fs	Mpa		400.00	400.00	400.00	400.00	233.33	114.29	25.00	
Cc	kN		1154.84	1732.27	2309.69	2887.11	3464.53	4041.95	4619.38	
Cs	kN		605.08	609.40	609.40	609.40	609.40	609.40	609.40	
Ts	kN		640.00	640.00	640.00	640.00	373.33	182.86	40.00	
Pn	kN	0	1119.92	1701.67	2279.09	2856.51	3700.60	4468.50	5188.78	7338.8
Mn	kNm	446.83	798.10	921.58	1000.00	1034.84	935.43	818.35	673.86	0

KONDISI :	SATUAN	LENTUR	PATAH TARIK			SEIMBANG	PATAH DESAK			AKSIAL
			177.6	266.4	355.2	444.00	532.8	621.6	710.4	
2.0%						6400				
Ast	mm ²					3200				
As = As'	mm ²									
a	mm	167.32	150.96	226.44	301.92	377.40	452.88	528.36	603.84	
fs' pakai	Mpa		397.30	400.00	400.00	400.00	400.00	400.00	400.00	
fs	Mpa		400.00	400.00	400.00	400.00	233.33	114.29	25.00	
Cc	kN		1154.84	1732.27	2309.69	2887.11	3464.53	4041.95	4619.38	
Cs	kN		1210.15	1218.80	1218.80	1218.80	1218.80	1218.80	1218.80	
Ts	kN		1280.00	1280.00	1280.00	1280.00	746.67	365.71	80.00	
Pn	kN	0	1085.00	1671.07	2248.49	2825.91	3936.67	4895.04	5758.18	8557.6
Mn	kNm	840.12	1221.42	1346.37	1424.80	1459.64	1269.56	1087.71	894.66	0

KONDISI :	SATUAN	LENTUR	PATAH TARIK			SEIMBANG	PATAH DESAK			AKSIAL
			177.6	266.4	355.2	444.00	532.8	621.6	710.4	
3.0%						9600				
Ast	mm ²					4800				
As = As'	mm ²									
a	mm	250.98	150.96	226.44	301.92	377.40	452.88	528.36	603.84	
fs' pakai	Mpa		397.30	400.00	400.00	400.00	400.00	400.00	400.00	
fs	Mpa		400.00	400.00	400.00	400.00	233.33	114.29	25.00	
Cc	kN		1154.84	1732.27	2309.69	2887.11	3464.53	4041.95	4619.38	
Cs	kN		1815.23	1828.20	1828.20	1828.20	1828.20	1828.20	1828.20	
Ts	kN		1920.00	1920.00	1920.00	1920.00	1120.00	548.57	120.00	
Pn	kN	0	1050.07	1640.47	2217.89	2795.31	4172.73	5321.58	6327.58	9776.4
Mn	kNm	1179.86	1644.75	1771.17	1849.59	1884.43	1603.69	1357.08	1115.46	0

KONDISI :	SATUAN	LENTUR	PATAH TARIK			SEIMBANG	PATAH DESAK			AKSIAL
			177.6	266.4	355.2	444.00	532.8	621.6	710.4	
4.0%						12800				
Ast	mm ²					6400				
As = As'	mm ²									
a	mm	334.64	150.96	226.44	301.92	377.40	452.88	528.36	603.84	
fs' pakai	Mpa		397.30	400.00	400.00	400.00	400.00	400.00	400.00	
fs	Mpa		400.00	400.00	400.00	400.00	233.33	114.29	25.00	
Cc	kN		1154.84	1732.27	2309.69	2887.11	3464.53	4041.95	4619.38	
Cs	kN		2420.30	2437.60	2437.60	2437.60	2437.60	2437.60	2437.60	
Ts	kN		2560.00	2560.00	2560.00	2560.00	1493.33	731.43	160.00	
Pn	kN	0	1015.15	1609.87	2187.29	2764.71	4408.80	5748.13	6896.98	10995.2
Mn	kNm	1466.06	2068.07	2195.96	2274.39	2309.23	1937.82	1626.45	1336.25	0

REKAPITULASI PERHITUNGAN GRAFIK INTERAKSI Mn-Pn (kolom 400/600)

$f_c = 22.50$ Mpa
 $f_y = 400$ Mpa
 $b(x) = 400$ mm
 $h(y) = 600$ mm

KONDISI :	SATUAN	LENTUR	PATAH TARIK			SEIMBANG	PATAH DESAK			AKSIAL
			129.6	194.4	259.2	324.00	388.8	453.6	518.4	
1.0%						2400				
Ast	mm ²					1200				
As = As'	mm ²									
a	mm	62.75	110.16	165.24	220.32	275.40	330.48	385.56	440.64	
fs' pakai	Mpa		322.22	400.00	400.00	400.00	400.00	400.00	400.00	
fs	Mpa		400.00	400.00	400.00	400.00	233.33	114.29	25.00	
Cc	kN		842.72	1264.09	1685.45	2106.81	2528.17	2949.53	3370.90	
Cs	kN		363.72	457.05	457.05	457.05	457.05	457.05	457.05	
Ts	kN		480.00	480.00	480.00	480.00	280.00	137.14	30.00	
Pn	kN	0	726.44	1241.14	1662.50	2083.86	2705.22	3269.44	3797.95	5504.1
Mn	kNm	244.14	408.89	499.68	544.86	566.83	517.59	458.86	385.48	0

KONDISI :	SATUAN	LENTUR	PATAH TARIK			SEIMBANG	PATAH DESAK			AKSIAL
			129.6	194.4	259.2	324.00	388.8	453.6	518.4	
2.0%						4800				
Ast	mm ²					2400				
As = As'	mm ²									
a	mm	125.49	110.16	165.24	220.32	275.40	330.48	385.56	440.64	
fs' pakai	Mpa		322.22	400.00	400.00	400.00	400.00	400.00	400.00	
fs	Mpa		400.00	400.00	400.00	400.00	233.33	114.29	25.00	
Cc	kN		842.72	1264.09	1685.45	2106.81	2528.17	2949.53	3370.90	
Cs	kN		727.43	914.10	914.10	914.10	914.10	914.10	914.10	
Ts	kN		960.00	960.00	960.00	960.00	560.00	274.29	60.00	
Pn	kN	0	610.16	1218.19	1639.55	2060.91	2882.27	3589.35	4225.00	6418.2
Mn	kNm	458.16	611.38	724.57	765.75	791.72	694.48	601.46	502.38	0

KONDISI :	SATUAN	LENTUR	PATAH TARIK			SEIMBANG	PATAH DESAK			AKSIAL
			129.6	194.4	259.2	324.00	388.8	453.6	518.4	
3.0%						7200				
Ast	mm ²					3600				
As = As'	mm ²									
a	mm	188.24	110.16	165.24	220.32	275.40	330.48	385.56	440.64	
fs' pakai	Mpa		322.22	400.00	400.00	400.00	400.00	400.00	400.00	
fs	Mpa		400.00	400.00	400.00	400.00	233.33	114.29	25.00	
Cc	kN		842.72	1264.09	1685.45	2106.81	2528.17	2949.53	3370.90	
Cs	kN		1091.15	1371.15	1371.15	1371.15	1371.15	1371.15	1371.15	
Ts	kN		1440.00	1440.00	1440.00	1440.00	840.00	411.43	90.00	
Pn	kN	0	493.87	1195.24	1616.60	2037.96	3059.32	3909.26	4652.05	7332.3
Mn	kNm	642.07	813.88	949.46	994.64	1016.61	871.37	744.07	619.27	0

KONDISI :	SATUAN	LENTUR	PATAH TARIK			SEIMBANG	PATAH DESAK			AKSIAL
			129.6	194.4	259.2	324.00	388.8	453.6	518.4	
4.0%						9600				
Ast	mm ²					4800				
As = As'	mm ²									
a	mm	250.98	110.16	165.24	220.32	275.40	330.48	385.56	440.64	
fs' pakai	Mpa		322.22	400.00	400.00	400.00	400.00	400.00	400.00	
fs	Mpa		400.00	400.00	400.00	400.00	233.33	114.29	25.00	
Cc	kN		842.72	1264.09	1685.45	2106.81	2528.17	2949.53	3370.90	
Cs	kN		1454.87	1828.20	1828.20	1828.20	1828.20	1828.20	1828.20	
Ts	kN		1920.00	1920.00	1920.00	1920.00	1120.00	548.57	120.00	
Pn	kN	0	377.59	1172.29	1593.65	2015.01	3236.37	4229.16	5079.10	8246.4
Mn	kNm	795.86	1016.37	1174.36	1219.53	1241.50	1048.26	886.67	736.16	0

REKAPITULASI PERHITUNGAN GRAFIK INTERAKSI Mn-Pn (kolom 400/400)

$f_c = 22.50$ Mpa
 $f_y = 400$ Mpa
 $b(x) = 400$ mm
 $h(y) = 400$ mm

KONDISI :	SATUAN	LENTUR	PATAH TARIK			SEIMBANG	PATAH DESAK			AKSIAL
			81.6	122.4	163.2		204.00	244.8	285.6	
1.0%						1600				
Ast	mm ²					800				
As = As'	mm ²									
a	mm	41.83	69.36	104.04	138.72	173.40	208.08	242.76	277.44	
fs' pakai	Mpa		158.82	305.88	379.41	400.00	400.00	400.00	400.00	
fs	Mpa		400.00	400.00	400.00	400.00	233.33	114.29	25.00	
Cc	kN		530.60	795.91	1061.21	1326.51	1591.81	1857.11	2122.42	
Cs	kN		111.76	229.41	288.23	304.70	304.70	304.70	304.70	
Ts	kN		320.00	320.00	320.00	320.00	186.67	91.43	20.00	
Pn	kN	0	322.36	705.31	1029.44	1311.21	1709.85	2070.39	2407.12	3669.4
Mn	kNm	102.11	148.17	194.69	223.79	237.75	221.54	201.46	175.52	0

KONDISI :	SATUAN	LENTUR	PATAH TARIK			SEIMBANG	PATAH DESAK			AKSIAL
			81.6	122.4	163.2		204.00	244.8	285.6	
2.0%						3200				
Ast	mm ²					1600				
As = As'	mm ²									
a	mm	83.66	69.36	104.04	138.72	173.40	208.08	242.76	277.44	
fs' pakai	Mpa		158.82	305.88	379.41	400.00	400.00	400.00	400.00	
fs	Mpa		400.00	400.00	400.00	400.00	233.33	114.29	25.00	
Cc	kN		530.60	795.91	1061.21	1326.51	1591.81	1857.11	2122.42	
Cs	kN		223.52	458.81	576.46	609.40	609.40	609.40	609.40	
Ts	kN		640.00	640.00	640.00	640.00	373.33	182.86	40.00	
Pn	kN	0	114.12	614.72	997.67	1295.91	1827.88	2283.66	2691.82	4278.8
Mn	kNm	190.83	208.61	271.61	308.94	325.21	290.33	256.92	220.98	0

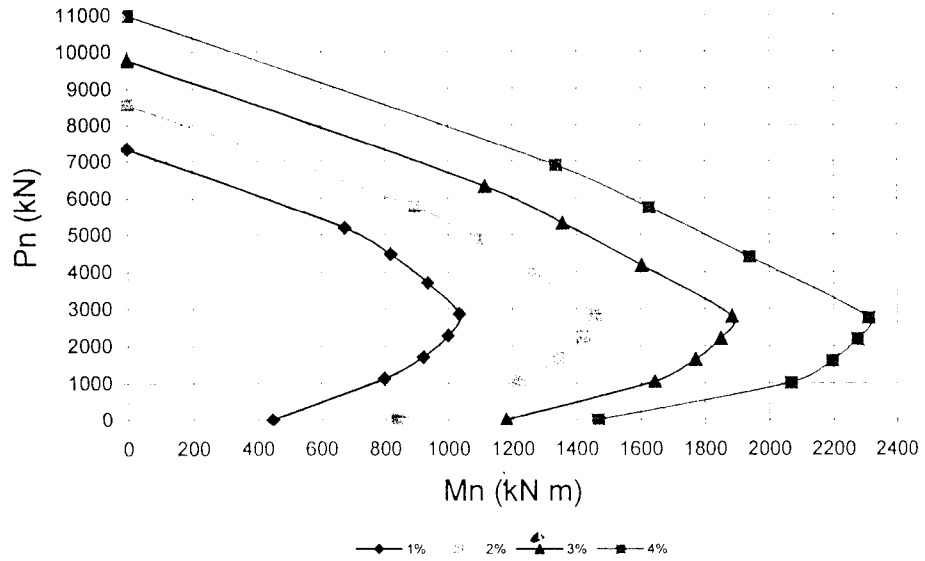
KONDISI :	SATUAN	LENTUR	PATAH TARIK			SEIMBANG	PATAH DESAK			AKSIAL
			81.6	122.4	163.2		204.00	244.8	285.6	
3.0%						4800				
Ast	mm ²					2400				
As = As'	mm ²									
a	mm	125.49	69.36	104.04	138.72	173.40	208.08	242.76	277.44	
fs' pakai	Mpa		158.82	305.88	379.41	400.00	400.00	400.00	400.00	
fs	Mpa		400.00	400.00	400.00	400.00	233.33	114.29	25.00	
Cc	kN		530.60	795.91	1061.21	1326.51	1591.81	1857.11	2122.42	
Cs	kN		335.28	688.22	864.69	914.10	914.10	914.10	914.10	
Ts	kN		960.00	960.00	960.00	960.00	560.00	274.29	60.00	
Pn	kN	0	-94.12	524.12	965.90	1280.61	1945.91	2496.93	2976.52	4888.2
Mn	kNm	266.16	269.06	348.53	394.09	412.67	359.12	312.38	266.44	0

KONDISI :	SATUAN	LENTUR	PATAH TARIK			SEIMBANG	PATAH DESAK			AKSIAL
			81.6	122.4	163.2		204.00	244.8	285.6	
4.0%						6400				
Ast	mm ²					3200				
As = As'	mm ²									
a	mm	167.32	69.36	104.04	138.72	173.40	208.08	242.76	277.44	
fs' pakai	Mpa		158.82	305.88	379.41	400.00	400.00	400.00	400.00	
fs	Mpa		400.00	400.00	400.00	400.00	233.33	114.29	25.00	
Cc	kN		530.60	795.91	1061.21	1326.51	1591.81	1857.11	2122.42	
Cs	kN		447.04	917.62	1152.92	1218.80	1218.80	1218.80	1218.80	
Ts	kN		1280.00	1280.00	1280.00	1280.00	746.67	365.71	80.00	
Pn	kN	0	0.00	433.53	934.13	1265.31	2063.95	2710.20	3261.22	5497.6
Mn	kNm	328.12	329.50	425.45	479.24	500.13	427.92	367.84	311.89	0

GRAFIK INTERAKSI Mn-Pn (KOLOM 400/800)

$f_y = 400 \text{ Mpa}$

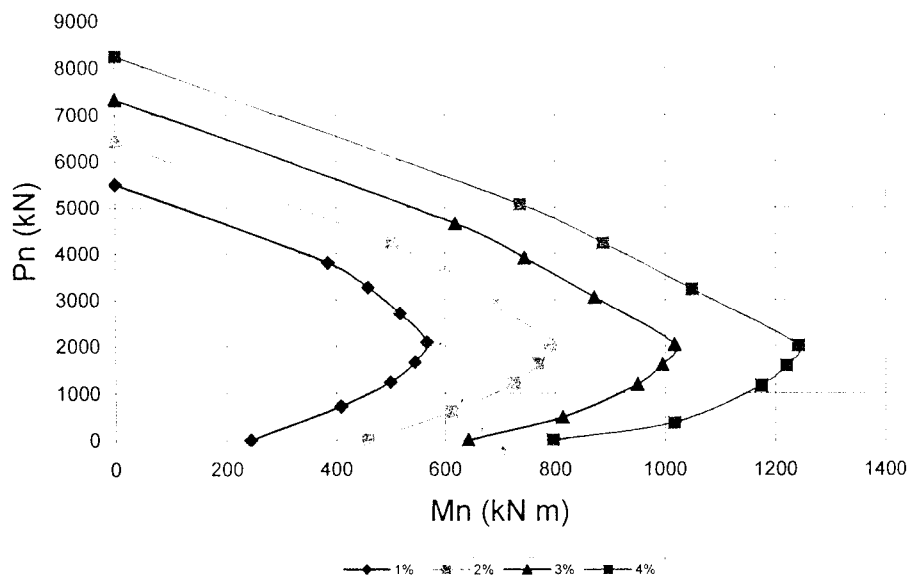
$f_c = 22,5 \text{ Mpa}$



GRAFIK INTERAKSI Mn-Pn (KOLOM 400/600)

$f_y = 400 \text{ Mpa}$

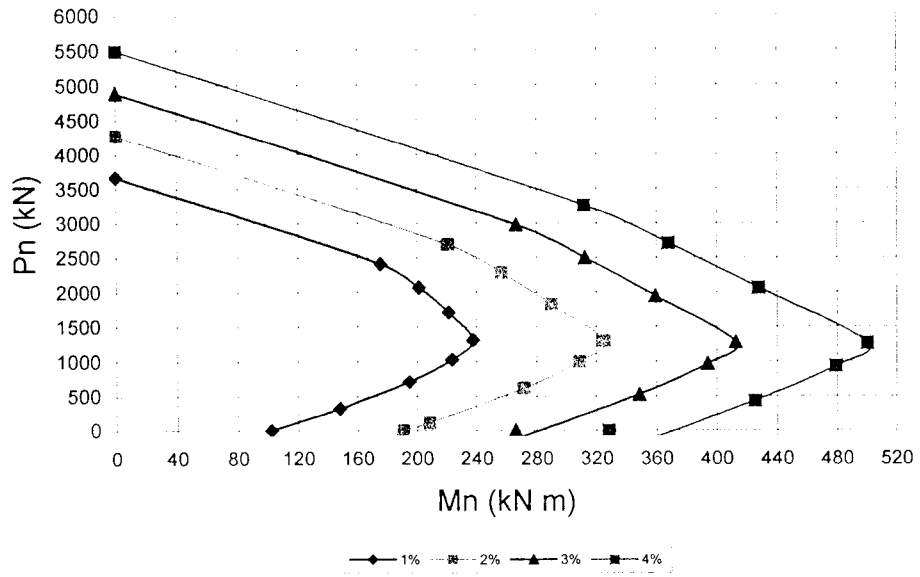
$f_c = 22,5 \text{ Mpa}$



GRAFIK INTERAKSI Mn-Pn (KOLOM 400/400)

$f_y = 400 \text{ Mpa}$

$f_c = 22,5 \text{ Mpa}$



TABEL PERHITUNGAN KOLOM 400/800

$b = 400$ mm $f_y = 400$ Mpa $f_y' = 240$ Mpa
 $h = 800$ mm $f_c' = 22.5$ Mpa $d_x = 340$ mm
 $d_{ia\ tul} = 22$ mm $d' = 60$ mm $d_y = 740$ mm

NOMENKLATUR	SATUAN	K107 400/800		K108 400/800		K109 400/800		K110 400/800	
		Lantai dasar		Lantai 1		Lantai 2		Lantai 3	
		Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah Y
Pu,k	kN	1778.61	1778.61	1447.13	1447.13	822.60	822.60	235.61	235.61
Mu,k	kNm	601.63	135.23	423.91	152.55	767.68	131.70	145.67	88.89
Pu,k/ ϕ	kN	2736.32	2736.32	2226.35	2226.35	1265.53	1265.53	362.48	362.48
Mu,k/ ϕ	kNm	925.58	208.05	652.16	234.69	1181.04	202.61	224.10	136.75
ρ_g		1%	1%	1%	1%	1%	1%	1%	1%
As=As'	mm ²	1600	1600	1600	1600	1600	1600	1600	1600
dipakai tulangan D	bh	5 D22	5 D22	5 D22	4 D22	5 D22	4 D22	5 D22	4 D22
As ada	mm ²	1899.7	1899.7	1899.7	1519.76	1899.7	1519.76	1899.7	1519.76
CEK EKSENTRISITAS BALANCE (eb)									
Xb dan cb	mm	444	204	444	204	444	204	444	204
ab	mm	377.4	173.4	377.4	173.4	377.4	173.4	377.4	173.4
fs	Mpa	518.92	423.53	518.92	423.53	518.92	423.53	518.92	423.53
fs = fy pakai	Mpa	400	400	400	400	400	400	400	400
Ccb (Pn)	kN	2887.11	2653.02	2887.11	2653.02	2887.11	2653.02	2887.11	2653.02
Csb (Pn)	kN	723.55	723.55	723.55	578.84	723.55	578.84	723.55	578.84
Tsb (Pn)	kN	759.88	759.88	759.88	607.90	759.88	607.90	759.88	607.90
Pnb	kN	2850.78	2616.69	2850.78	2623.95	2850.78	2623.95	2850.78	2623.95
Mnb	kN m	1114.41	508.27	1114.41	466.73	1114.41	466.73	1114.41	466.73
eb	mm	390.91	194.24	390.91	177.87	390.91	177.87	390.91	177.87
e	mm	338.26	76.03	292.93	105.41	933.24	160.10	618.24	377.27
cek (Patah...)		desak	desak	desak	desak	tarik	desak	tarik	tarik
Pn	kN	3466.05	3595.00	3738.66	2831.00	4115.59	2165.81	1705.89	2899.50
cek		OK	OK	OK	OK	OK	OK	OK	OK
Mn	kN m	1172.42	273.33	1095.16	298.43	3840.81	346.75	1054.66	1093.91
cek		OK	OK	OK	OK	OK	OK	OK	OK
PERENCANAAN GESER KOLOM									
Mu,k atas	kNm	-319.02		-423.91		-767.68		-145.665	
Mu,k bawah	kNm	88.68		476.2798		525.9451		-114.03	
VD,k	kN	-62.72		-135.78		-193.16		-4.67	
VL,k	kN	-15.11		-35.90		-49.67		-1.04	
VE,k	kN	66.40		-0.22		1.49		-1.02	
hn (tinggi bersih)	m	3.3		3.3		3.3		3.55	
Vu,k	kN	-69.80		15.87		-73.25		-73.15	
tetapi tidak perlu lebih besar dari :									
Vu,k	kN	197.15		-181.18		-248.69		-10.27	
Vu,k/ ϕ	kN	-116.33		26.45		-122.09		-121.92	
di daerah sejauh lo									
Vs	kN	197.15		181.18		248.69		121.92	
Vc (dianggap)	kN	0.00		0.00		0.00		0.00	
S (1)	mm	141.43		153.90		112.12		228.70	
b/4	mm	100.00		100.00		100.00		100.00	
8xDia	mm	176.00		176.00		176.00		176.00	
s maks	mm	100.00		100.00		100.00		100.00	
S pakai	mm	P10-100		P10-100		P10-100		P10-100	
di Luar Daerah lo									
Vs		197.15		181.18		248.69		121.92	
Vc	kN	326.91		309.60		276.98		246.32	
S (2)	mm	100.00		100.00		100.00		100.00	
b/4	mm	100.00		100.00		100.00		100.00	
8xDia	mm	176.00		176.00		176.00		176.00	
s maks	mm	100.00		100.00		100.00		100.00	
S pakai	mm	P10-100		P10-100		P10-100		P10-100	

TABEL PERHITUNGAN KOLOM 400/600

$b = 400$ mm $f_y = 400$ Mpa $f_y' = 240$ Mpa
 $h = 600$ mm $f_c' = 22.5$ Mpa $d_x = 340$ mm
 $d_{ia\ tul} = 22$ mm $d' = 60$ mm $d_y = 540$ mm

NOMENKLATUR	SATUAN	K67 400/600 Lantai dasar		K68 400/600 Lantai 1		K69 400/600 Lantai 2		K70 400/600 Lantai 3	
		Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah Y
Pu,k	kN	1172.00	1172.00	792.00	792.00	525.00	525.00	255.84	255.84
Mu,k	kNm	162.40	111.70	193.56	93.98	172.80	82.70	161.65	58.30
Pu,k/ ϕ	kN	1803.08	1803.08	1218.46	1218.46	807.69	807.69	393.60	393.60
Mu,k/ ϕ	kNm	249.85	171.85	297.78	144.58	265.85	127.23	248.69	89.69
ρ_g	%	1%	1%	1%	1%	1%	1%	1%	1%
As=As'	mm ²	1200	1200	200	1200	1200	1200	1200	1200
dipakai tulangan D	bh	5 D22	3 D22	5 D22	3 D22	5 D22	3 D22	5 D22	3 D22
As ada	mm ²	1899.7	1139.82	1899.7	1139.82	1899.7	1139.82	1899.7	1139.82
CEK EKSENTRISITAS BALANCE (eb)									
Xb dan cb	mm	324	204	324	204	324	204	324	204
ab	mm	275.4	173.4	275.4	173.4	275.4	173.4	275.4	173.4
fs	Mpa	488.89	423.53	488.89	423.53	488.89	423.53	488.89	423.53
fs = fy pakai	Mpa	400	400	400	400	400	400	400	400
Ccb (Pn)	kN	2106.81	1989.77	2106.81	1989.77	2106.81	1989.77	2106.81	1989.77
Csb (Pn)	kN	723.55	434.13	723.55	434.13	723.55	434.13	723.55	434.13
Tsb (Pn)	kN	759.88	455.93	759.88	455.93	759.88	455.93	759.88	455.93
Pnb	kN	2070.48	1967.97	2070.48	1967.97	2070.48	1967.97	2070.48	1967.97
Mnb	kN m	697.96	350.05	697.96	350.05	697.96	350.05	697.96	350.05
eb	mm	337.10	177.87	337.10	177.87	337.10	177.87	337.10	177.87
e	mm	138.57	95.31	244.39	118.66	329.14	157.52	631.82	227.86
cek (Patah...)		desak	desak	desak	desak	desak	desak	tarik	tarik
Pn	kN	3616.59	2569.53	2761.46	2277.14	2322.19	1915.53	2574.75	991.85
cek		OK	OK	OK	OK	OK	OK	OK	OK
Mn	kN m	501.14	244.90	674.89	270.20	764.33	301.74	1626.78	226.00
cek		OK	OK	OK	OK	OK	OK	OK	OK
PERENCANAAN GESER KOLOM									
Mu,k atas	kNm	162.4		193.626		172.8		134.418	
Mu,k bawah	kNm	-76.435		-206.674		-153.2		161.646	
VD,k	kN	21.31		31.90		30.10		20.89	
VL,k	kN	8.05		12.80		5.68		17.95	
VE,k	kN	-0.91		-1.90		-1.94		-1.06	
hn (tinggi bersih)	m	3.3		3.3		3.3		3.55	
Vu,k	kN	26.05		-3.95		5.94		83.40	
tetapi tidak perlu lebih besar dari :									
Vu,k	kN	26.99		38.96		29.43		36.35	
Vu,k/ ϕ	kN	44.98		64.93		49.04		139.00	
di daerah sejauh lo									
Vs	kN	44.98		64.93		49.04		139.00	
Vc (dianggap)	kN	0.00		0.00		0.00		0.00	
S (1)	mm	452.36		313.40		414.88		146.39	
d/4	mm	100.00		100.00		100.00		100.00	
8*dia	mm	176.00		176.00		176.00		176.00	
S maks	mm	100.00		100.00		100.00		100.00	
S pakai	mm	P10-100		P10-100		P10-100		P10-100	
di Luar Daerah lo									
Vs		44.98		64.93		49.04		139.00	
Vc	kN	230.33		211.01		197.44		183.77	
S (2)	mm	100.00		100.00		100.00		100.00	
d/4	mm	100.00		100.00		100.00		100.00	
8*dia	mm	176.00		176.00		176.00		176.00	
S maks	mm	100.00		100.00		100.00		100.00	
S pakai	mm	P10-100		P10-100		P10-100		P10-100	

TABEL PERHITUNGAN KOLOM 400/400

b = 400 mm	fy = 400 Mpa	fy' = 240 Mpa
h = 400 mm	fc' = 22.5 Mpa	dx = 340 mm
dia tul = 22 mm	d' = 60 mm	dy = 340 mm

NOMENKLATUR	SATUAN	K227 400/400		K228 400/400		K229 400/400		K230 400/400	
		Lantai dasar		Lantai 1		Lantai 2		Lantai 3	
		Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah Y	Arah X	Arah Y
Pu,k	kN	452.10	452.10	414.76	414.76	232.19	232.19	90.73	90.73
Mu,k	kNm	85.28	105.31	43.65	64.46	41.45	55.81	31.55	54.22
Pu,k/φ	kN	695.54	695.54	638.09	638.09	357.21	357.21	139.59	139.59
Mu,k/φ	kNm	131.19	162.01	67.15	99.17	63.76	85.86	48.53	83.42
ρ g		1%	1%	1%	1%	1%	1%	1%	1%
As=As'	mm ²	800	800	800	800	800	800	800	800
dipakai tulangan D	bh	4 D22	4 D22	4 D22	4 D22	4 D22	4 D22	4 D22	3 D22
As ada	mm ²	1519.76	1519.76	1519.76	1519.76	1519.76	1519.76	1519.76	1139.82
CEK EKSENTRISITAS BALANCE (eb)									
Xb dan cb	mm	204	204	204	204	204	204	204	204
ab	mm	173.4	173.4	173.4	173.4	173.4	173.4	173.4	173.4
f's	Mpa	423.53	423.53	423.53	423.53	423.53	423.53	423.53	423.53
f's = fy pakai	Mpa	400	400	400	400	400	400	400	400
Ccb (Pn)	kN	1326.51	1326.51	1326.51	1326.51	1326.51	1326.51	1326.51	1326.51
Csb (Pn)	kN	578.84	578.84	578.84	578.84	578.84	578.84	578.84	434.13
Tsb (Pn)	kN	607.90	607.90	607.90	607.90	607.90	607.90	607.90	455.93
Pnb	kN	1297.44	1297.44	1297.44	1297.44	1297.44	1297.44	1297.44	1304.71
Mnb	kN m	316.44	316.44	316.44	316.44	316.44	316.44	316.44	274.90
eb	mm	243.89	243.89	243.89	243.89	243.89	243.89	243.89	210.70
e	mm	188.62	232.93	105.24	155.41	178.50	240.35	347.69	597.61
cek (Patah...)		desak	desak	desak	desak	desak	desak	tarik	tarik
Pn	kN	1665.18	1457.00	2278.27	1865.00	1721.41	1427.11	1158.90	3063.52
cek		OK	OK	OK	OK	OK	OK	OK	OK
Mn	kN m	314.09	339.38	239.76	289.84	307.27	343.01	402.94	1830.79
cek		OK	OK	OK	OK	OK	OK	OK	OK
PERENCANAAN GESER KOLOM									
Mu,k atas	kNm	6.53		-36.873		-41.445		-31.547	
Mu,k bawah	kNm	-85.276		43.65		36.81		18.563	
VD,k	kN	-9.64		-13.08		-12.84		-7.68	
VL,k	kN	-1.18		-2.47		-2.30		-1.44	
VE,k	kN	0.11		0.66		0.75		0.49	
hn (tinggi bersih)	m	3.3		3.3		3.3		3.55	
Vu,k	kN	-23.86		2.05		-1.40		-3.66	
tetapi tidak perlu lebih besar dari :									
Vu,k	kN	-10.91		-13.54		-12.76		-7.53	
Vu,k/φ	kN	-18.18		3.42		2.34		6.10	
di daerah sejauh lo									
Vs	kN	18.18		13.54		12.76		7.53	
Vc (dianggap)	kN	0.00		0.00		0.00		0.00	
S (1)	mm	704.86		946.19		1003.80		1702.17	
d/4	mm	100.00		100.00		100.00		100.00	
8*dia	mm	176.00		176.00		176.00		176.00	
S maks	mm	100.00		100.00		100.00		100.00	
S pakai	mm	P10-100		P10-100		P10-100		P10-100	
di Luar Daerah lo									
Vs		18.18		13.54		12.76		7.53	
Vc	kN	129.22		127.43		118.66		111.87	
S (2)	mm	100.00		100.00		100.00		100.00	
d/4	mm	100.00		100.00		100.00		100.00	
8*dia	mm	176.00		176.00		176.00		176.00	
S maks	mm	100.00		100.00		100.00		100.00	
S pakai	mm	P10-100		P10-100		P10-100		P10-100	

σ tanah	= 150	kN/m ²
γ_b tanah	= 14	kN/m ³
γ beton	= 24	kN/m ³
f_c	= 25	Mpa
f_y	= 400	Mpa

Nomenklatur	satuan	TYPE PONDASI		
		A	B	C
P	kN	1687	803.17	250.2
Mx tetap	kN m	0.12	5.12	5.5
My tetap	kN m	73.63	11.83	1.41
Mx sementara	kN m	112.8	25.49	10.29
My sementara	kN m	223.29	68.85	21.75
tf	mm	500	500	500
hk	mm	800	600	400
bk	mm	400	400	400
σ netto tanah	kN/m ²	131.8	131.8	131.8
TINJAUAN TERHADAP BEBAN TETAP				
Bx	m	3.5	2.5	1.5
By	m	3.5	2.5	1.5
σ terjadi	kN/m ²	127.427	125.931	118.471
KONTROL		OK	OK	OK
TINJAUAN TERHADAP BEBAN				
Ex	m	0.132	0.086	0.087
Ey	m	0.067	0.032	0.041
B/6	m	0.583	0.417	0.250
CEK		eksentrisitas di dalam	eksentrisitas di dalam	eksentrisitas di dalam
σ terjadi	kN/m ²	184.7472886	164.73376	168.16
KONTROL		OK	OK	OK
PERENCANAAN GESER SATU ARAH				
db	m	0.4125	0.4125	0.4125
n	m	0.9375	0.5375	0.1375
m	m	1.1375	0.6375	0.1375
Momen terbesar ditinjau geser arah		223.29	68.85	21.75
q terjadi max	kN/m ²	168.962	154.946	149.867
q terjadi min	kN/m ²	106.467	102.069	72.533
q terjadi m (1)	kN/m ²	148.651	141.462	142.778
q terjadi m (2)	kN/m ²	137.714	128.507	111.200
q terjadi pakai	kN/m ²	148.651	141.462	142.778
Vu	kN	487.761	190.090	29.448
Vu/ ϕ	kN	812.935	316.816	49.080
Vc	kN	1203.125	859.375	515.625
kontrol gaya geser		OK	OK	OK

PERENCANAAN GESER DUA ARAH				
x	m	0.8125	0.8125	0.8125
y	m	1.2125	1.0125	0.8125
σ terjadi max	kN/m ²	184.747	164.734	168.160
σ terjadi min	kN/m ²	90.681	92.281	54.240
σ terjadi pakai	kN/m ²	137.714	128.507	111.200
Vu	kN	1551.330	697.453	176.791
Vu/ ϕ	kN	2585.550	1162.421	294.651
Vc1	kN	39096.070	39220.602	40218.750
Vc2	kN	33412.5	30112.5	26812.5
kontrol gaya geser		OK	OK	OK
PERENCANAAN TUL. LENTUR PONDASI				
L	m	1.35	0.95	0.55
σ terjadi max	kN/m ²	184.747	164.734	168.160
Mu	kN m	168.351	74.336	25.434
Mu/ ϕ	kN m	210.439	92.920	31.793
D tul	mm	D19	D19	D19
A1D tul	mm ²	283.385	283.385	283.385
d	m	415.5	415.5	415.5
m		18.8235	18.8235	18.8235
Rn (b=1000mm)		1.2189	0.5382	0.1842
ρ min		0.0035	0.0035	0.0035
ρ b		0.0271	0.0271	0.0271
ρ maks		0.0203	0.0203	0.0203
ρ ada		0.0031	0.0014	0.0005
ρ perlu		0.0035	0.0035	0.0035
As perlu	mm ²	1454.250	1454.250	1454.250
0.002bh	mm ²	1000	1000	1000
S1	mm	194.867	194.867	194.867
S2	mm	1000	1000	1000
S3	mm	250	250	250
DIPAKAI S	mm	190	190	190
KONTROL KAPASITAS LENTUR				
As ada	mm ²	1491.50	1491.50	1491.50
a	mm	28.08	28.08	28.08
Mn	kN m	239.51	239.51	239.51
kontrol		OK	OK	OK
PERENCANAAN TUL. SUSUT PONDASI				
As tul susut	mm ²	1000	1000	1000
D tul	mm	D12	D12	D12
A1D tul	mm ²	113.04	113.04	113.04
S	mm	113.04	113.04	113.04
DIPAKAI S	mm	110	110	110

Lampiran

4